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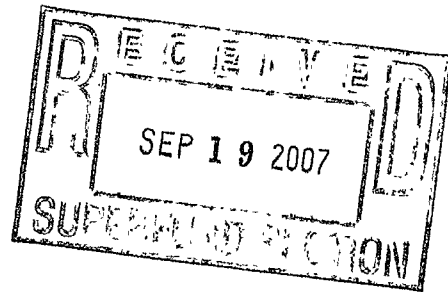
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Winston-Salem
Regional Office

Groundwater Sampling Report
Hancock Country Hams
3484 NC Highway 22 North
Franklinville, Randolph County, North Carolina
Incident No. 3700
Trigon Project No. 042-07-064



RECEIVED
N.C. Dept. of ENR

SEP 14 2007

Winston-Salem
Regional Office



ENGINEERING CONSULTANTS, INC.

www.trigoneng.com

P.O. Box 18846 • Zip 27419-8846 • 313 Gallimore Dairy Road • Greensboro, NC 27409 • p 336.668.0093 • f 336.668.3868

September 11, 2007

Ms. Ruth Debrito
Smithfield Foods, Inc.
601 North Church Street
Smithfield, Virginia 23430

Reference: **Groundwater Monitoring Report
Hancock Country Hams
3484 NC Highway 22 North
Franklinville, North Carolina
Trigon Project No. 042-07-064**

Dear Ms. Debrito:

Trigon Engineering Consultants, Inc. (Trigon) is pleased to present our report of the surface water and groundwater sampling which took place at the referenced location.

Copies of this report have been forwarded to Mr. Stephen Williams and Mr. Colin Day of the North Carolina Department of Environment and Natural Resources (NCDENR), Mr. George House, and Mr. Stanford Baird. Trigon appreciates the opportunity to be of service to Smithfield Foods Inc. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Very truly yours,

TRIGON ENGINEERING CONSULTANTS, INC.

Erin E. Greene
Staff Geologist

John M. Stewart, P.G.
Department Manager

EEG/JMS:cas

Cc: Mr. Stanford Baird
Mr. George House
Mr. Stephen Williams
✓ Mr. Collin Day

Attachments

h:\0420\projects\2007\064\4207064.doc

Thank you for our success.

HANCOCK COUNTRY HAMS GROUNDWATER AND SOIL SAMPLING REPORT

Site Name and Location Hancock Country Hams
3484 NC Highway 22 North
Franklinville, North Carolina

Latitude and Longitude: 35° 46' 49" North; 79° 41' 40" West

Incident Number: 3700

Risk Classification/Reason: High
(1) A water supply well used for drinking water is located within 1,000 feet of the source area of a confirmed discharge or release.
(2) The groundwater within 500 feet of the source area of a confirmed discharge or release has the potential for future use in that there is no source of water supply other than the groundwater.

Land Use Category: Commercial/Residential

UST Owners and Responsible Parties:

1. Gwaltney of Smithfield Ltd.
601 North Church Street
Smithfield, Virginia 23430
757.356.3131
Attn. Mr. Rob Bogaard, Vice President of Operations
2. Lance, Inc.
Post Office Box 32368
Charlotte, North Carolina 28232
704.554.1421
3. Ms. Julia Hancock
3456 NC Hwy 22 N.
Franklinville, NC 27248

Current Land Owner: Gwaltney of Smithfield Ltd.
601 North Church Street
Smithfield, Virginia 23430
757.356.3131
Attn. Mr. Rob Bogaard, Vice President of Operations

Consultant: Trigon Engineering Consultants, Inc.
Post Office Box 18846
Greensboro, North Carolina 27419-8846
Attn.: Mr. Craig D. Neil, P.G.
336.668-0093

Release Information:

Date Discovered: October 1988
Cause of Release: USTs in Pit B
UST(s) Size (gal) and Content:
1) 1,000 – Gasoline – Pit A
2) 3,000 – Gasoline – Pit B
3) 3,000 – Gasoline – Pit B
4) 1,500 – Gasoline – Pit C

Source of Release: UST System (Pit B)
Release Amount: Unknown

Date of Report: September 11, 2007

Seal and Signature of Certifying Licensed Geologist

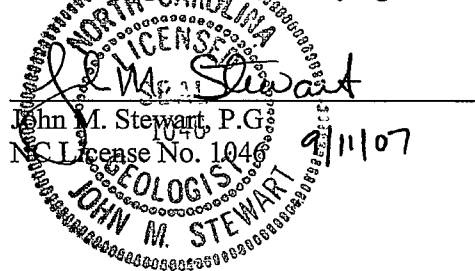

John M. Stewart, P.G.
N.C. License No. 1046
9/11/07

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- Appendix B Field Data Sampling Sheets
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1.0 BACKGROUND

The site is located on the east side of the NC Hwy 22 approximately three miles south of Grays Chapel, Randolph County, North Carolina (Figure 1). The site is located in a rural, mostly undeveloped, area. The majority of the houses in the area are located along NC Hwy 22, north and south of the site, and along Cedar Forest Road, located approximately a 1/3 mile south of the site.

Westinghouse Environmental Services reported that four USTs were installed at the site in 1971. The tanks consisted of one-1,000 gallon gasoline UST, two-3,000 gallon gasoline USTs (nested together), and one-1,500 gallon gasoline UST. The UST locations are shown in Figure 2. All of the USTs were reportedly removed in 1986. Limited soil analysis data was collected from the UST excavations. Russnow, Kane, and Andrews collected samples from the South Well (SW), Ed Rhodes well (ERW), and the block house well (BHW) in May/June 1988. Contaminants associated with petroleum and chlorides were detected in the groundwater samples. The chloride in the groundwater is believed to be from the ham curing facility which operated at the site from the mid 1950's to the mid 1970's.

In May 1989, Westinghouse Environmental Services (WES) submitted an Initial Site Assessment of the site. This assessment included the drilling of numerous soil test borings, drilling and installation of two monitoring wells and three piezometers, stream sampling, and associated sampling and analyses in the fall of 1988. The site assessment determined the location of contaminated soil and began to determine the extent of groundwater contamination. The assessment confirmed that petroleum and chloride contamination was present in the bedrock aquifer. Chlorides below the State's water quality standards (NCAC 2B) have been detected in the creek east of the site. Because of the large distance to the creek (1,000 feet), Trigon believes the petroleum compounds are degrading/attenuating before they reach the creek. Also during the assessment, WES removed and treated approximately 700 cubic yards of petroleum contaminated soil from the UST Pit B area.

In early 1991, Charles T. Main (CTM) was contracted to develop a remedial action plan (RAP). Their plan was submitted to the then North Carolina Department of Environment, Health, and Natural Resources (NC DEHNR) Groundwater Section Regional Office in Winston-Salem, North Carolina on April 17, 1991. The NC DEHNR is currently the Department of Environment and Natural Resources (DENR) and will be referred to in that way in this report. The NCDENR requested additional information, and a supplemental RAP was submitted to the NCDENR on September 27, 1991. Both

RAPs proposed using a pump and treat system to remediate the groundwater. The groundwater was to be pumped from seven recovery wells, treated, and discharged under an Individual NPDES permit. CTM recommended that the chloride contaminated soil be allowed to naturally remediate over time. Because of difficulties in obtaining access to discharge the effluent, in 1996, Smithfield Foods requested that the NCDENR allow the groundwater and soil be remediated through a process of natural attenuation. Following this request, on August 26, 1996, the NCDENR requested additional assessment of the site. In March 1998, a Groundwater Monitoring Report with updated sampling data was sent to the NCDENR. Upon review of the monitoring report, on May 20, 1998 the NCDENR requested additional investigation of the bedrock aquifer. A follow-up report was issued on August 23, 1999.

On October 11, 2002, the NCDENR sent our client a Notice of Regulatory Requirements requiring the submittal of a corrective action plan (CAP) to treat the petroleum contaminated soil and groundwater. Because chloride contaminated groundwater is commingled with the petroleum contamination, the CAP addressed both contaminants. On December 20, 2002 the CAP was submitted to NCDENR. The cap called for additional soil sampling in the UST B area, with excavation and disposal of any remaining contaminated soil. Groundwater contamination would be addressed with a pump and treat system incorporating an air stripper to treat the petroleum contamination and a reverse osmosis (RO) system to deal with elevated chloride concentrations. The December 2002 CAP was developed under tight time constraints and was, thus, based on the data from the 1999 sampling events. The CAP called for a new round of sampling and re-evaluation of the CAP requirements based on the analytical results.

Groundwater sampling of the recovery wells, monitoring wells, water wells and stream, and soil sampling of the UST B pit area and the salt disposal area was conducted on June 12 and 13, 2003. The results of the sampling was reported to NCDENR in an October 3, 2003 Groundwater and Soil Sampling Report. On July 30, 2003 a meeting was held at the site between our client, Mr. Stephen Williams of NCDENR and Trigon. Based on the preliminary June 2003 sampling results and a review of the site conditions, NCDENR agreed to consider modifying the December 2002 CAP to allow remediation of remaining contamination at the site by monitored natural attenuation. The modified conditions were to be allowed only if continued monitoring indicated that the contaminant plume was stable or improving. Groundwater sampling of the recovery wells, monitoring wells, water wells and the stream conducted on October 8, 2003 confirmed that both the BTEX and chloride plumes were stable and that natural attenuation of petroleum and chloride contamination in the groundwater may be occurring.

Following a review of the groundwater sampling data from the October 2003 sampling event, the NCDENR approved our client's request on November 20, 2003 to modify the December 2002 CAP to provide for natural attenuation. On February 3, 2004, Trigon submitted a CAP to modify the December 2002 CAP, which will allow the existing petroleum and chloride contaminants in the site soil and groundwater to naturally attenuate. The February 3, 2004 natural attenuation CAP was approved by the NCDENR on March 16, 2004. A copy of the approval letter is included in Appendix A.

2.0 PURPOSE

The February 2004 modified CAP recommended quarterly sampling of the stream, recovery and monitoring wells, and nearby water wells to monitor the size and shape of the petroleum hydrocarbon plume, and annual monitoring of the soil in the brine disposal area.

On July 18, 2007, groundwater and surface water samples were collected and analyzed to assess the current state; i.e. size and concentrations of the hydrocarbon plume. It is the purpose of this report to present the results of the groundwater and surface water sampling conducted at the site on July 18, 2007.

3.0 RECEPTORS

A well survey of the area in October 1996 determined that there are approximately nine water supply wells within 1,500 feet of the site (Figure 3) and another seven wells within 1,750 feet of the site. Five of these wells are separated from the site by a stream valley (Figure 4). The names and addresses of water well users within 1,500 feet of the site are shown in Table 1.

The owners of the properties located immediately adjacent to the site are listed in Table 2. Their locations are shown on Figure 3.

The hillside east of the site is dissected by numerous small gullies that feed a wet weather drainage feature located approximately 1,000 feet east of the site. This drainage feature flows into an unnamed tributary to Sandy Creek which is located approximately 1.3 miles east of the site (Figure 1).

4.0 METHODS

4.1 MONITORING AND RECOVERY WELL SAMPLING

Monitoring wells MW-1S and MW-1D and recovery wells RW-1, RW-2, RW-3, RW-4, RW-5, RW-6, and RW-7 were sampled on July 18, 2007. The locations of the monitoring and recovery wells are shown on Figure 2. The samples were sent to SGS-Paradigm Laboratories and analyzed for volatile and aromatic hydrocarbons using EPA Method 602 plus MTBE and DIPE and for chloride.

Prior to collecting the samples, the water level in each well was measured and recorded and a minimum of three well volumes of water was removed or the well was bailed dry using either a bailer or in place electric pumps. After purging, the monitoring well samples were collected with a new disposable bailer. The recovery well samples were collected from sample ports located at the well head. The samples were collected in laboratory supplied bottles, preserved, and shipped via over night courier under chain-of-custody to SGS-Paradigm Laboratories. Field sampling data sheets are included in Appendix B. Purge water was pumped into an on-site tanker truck and hauled to Smithfield Foods facility in Bladen County.

4.2 WATER WELL SAMPLING

Eight water wells were sampled on July 18, 2007. The South Supply Well (SW) was not sampled because the pump for the plant water supply well has been turned off. The samples were sent to SGS-Paradigm Laboratories and analyzed for volatile and aromatic hydrocarbons using EPA Method 602 plus MTBE and DIPE and for chloride. The locations of the water wells are shown on Figure 2. Prior to collecting the samples, the pumps in the water wells were allowed to run for approximately five minutes to flush the lines and storage tanks. The samples were then collected from an outside faucet as close to the well as possible. The samples were collected in laboratory supplied bottles, preserved, and shipped via over night courier under chain-of-custody to Paradigm Laboratories. Field sampling data sheets are included in Appendix B.

4.3 STREAM SAMPLING

The stream located east of the site was not sampled on July 18, 2007, because it had run dry.

4.4 FIELD MEASUREMENTS

The static water level in each monitoring and recovery well sampled was measured on July 18, 2007. The water level was measured using an electronic water level meter accurate to 0.01 feet. The water level measurement data are recorded on the field sampling sheets included in Appendix B.

5.0 RESULTS

5.1 MONITORING WELLS

Chloride was detected in wells MW-1S and MW-1D above the State's 2L .0202 Standard of 250 ppm. No volatile organic compounds were detected in the samples. The laboratory results are summarized in Table 3 and the complete laboratory reports are included as Appendix C. Historical laboratory results of the monitoring wells are summarized in Table 4.

5.2 RECOVERY WELLS

The laboratory analysis of the samples from RW-3, RW-6, and RW-7 detected concentrations of benzene above the State's 2L .0202 standard. The analysis of the sample from RW-7 also detected concentrations ethylbenzene, total xylenes, and IPE above the State's 2L .0202 standards. Chloride was detected above the State's 2L .0202 standard in recovery wells RW-1, RW-2, RW-3, and RW-5. The laboratory results are summarized in Table 3 and the laboratory report is included as Appendix C. Historical laboratory results of the recovery wells are summarized in Table 4.

To track petroleum associated contaminant concentrations over time, wells that have contaminant concentrations that have exceeded the State 2L standards during more than two consecutive sampling events were used to create contaminant concentration versus time graphs. This frequency was chosen solely to provide more than a two-point line on the graph. Figures 5 and 6 show the benzene concentrations versus time in RW-3 and RW-6, respectively, and Figure 7 shows the benzene, ethylbenzene, toluene, and xylenes concentration versus time in RW-7.

5.3 WATER SUPPLY WELLS

No volatile organic compounds were detected in any of the water well samples. Chloride was detected in all the water wells, but only above the State's standard in the sample collected before the point of entry (POE) system in the Hancock (6) well. The laboratory results are summarized in Table 3 and the laboratory report is included as Appendix C. Historical laboratory results for the water wells are summarized in Table 5.

To track the petroleum associated contaminant concentrations over time, wells that have contaminant concentrations that have exceeded the State 2L standards during more than two consecutive sampling events were used to create contaminant concentration versus time graphs. Figures 8, 9, and 10 show the benzene concentrations versus time in the South well (SW), Ed Rhodes well (ERW), and Hancock well (6), respectively.

5.4 STREAM SAMPLES

There were no samples collected from the streams during the July 2007 sampling event. Chloride concentrations have not been detected above the 2L Standard in the stream for more than ten years. The historical results are summarized in Table 6.

5.5 GROUNDWATER FLOW DIRECTION

The groundwater measurements collected in July 18, 2007 were used to prepare a groundwater surface contour map (Figure 11). The data shows groundwater in both the residuum and bedrock are moving generally to the southeast toward the stream. The water level data are summarized in Table 7.

5.6 PLUME GEOMETRY

Based on the data collected during the July 2007 sampling event, chloride is concentrated in the area immediately behind (east-southeast) the plant (MW-1S and RW-3). The concentration of chloride in the Jack Hancock (6) water supply well may be the result of groundwater being drawn toward the well along a fracture oriented in a northeast-southwest direction. A diffuse plume of chloride extends to the north, southwest, and west of the plant. This larger diffuse chloride plume could be the cumulative result of

incidental spills at the plant over the last 40 years, diffusion of the chloride through the aquifer, or pumping induced movement along fractures. The current location of the chloride plume is shown in Figure 12.

Chloride concentrations had increased during the January 2007 sampling event compared to the previous sampling events in all of the recovery wells except RW-3 and in all of the water supply wells. Chloride concentrations in the Beal well (1) and the Norman well (2) had exceeded the 2L standard for the first time. Significant increases were also observed in the Gibson well (3) and the Jester well (5). However, during the March and July 2007 sampling events, chloride concentrations decreased in all the recovery wells except for RW-3 and in all of the water supply wells. The cause of the spike in chloride concentrations observed during the January 2007 sampling event is unclear. However, it is noted that the groundwater elevations observed in the recovery wells during the January 2007 sampling event were significantly lower than in the previous or subsequent sampling events. This could indicate that there was less groundwater recharge available during this period to dilute the chloride concentrations in the bedrock aquifer.

The petroleum release reportedly occurred in the area of UST Pit B. A BTEX plume extends from RW-3 to RW-7 located on the north side of the plant. The BTEX plume does not reach the creek east of the site, based on stream sampling data. The current locations of the benzene, ethylbenzene, toluene, and xylenes plumes are shown in Figures 13, 14, 15, and 16, respectively.

6.0 CONCLUSIONS

Based on the results of our investigation, we offer the following conclusions and recommendations:

1. No petroleum hydrocarbons were detected in the samples collected from the nearby water supply wells during this sampling event. Hydrocarbons associated with the UST release have consistently been detected in RW-3, RW-6, and RW-7. The concentration of hydrocarbons in RW-3 had been generally decreasing during the last two years, but has increased during the last three sampling events. The concentration of benzene in RW-6 has remained consistent over the last three years. The concentrations of benzene, ethylbenzene, toluene, and xylenes (BTEX) have consistently been the highest in RW-7 and have remained essentially unchanged during the last four years. These data indicate that the hydrocarbons plume has remained unchanged in size and

the concentration of hydrocarbons has remained unchanged in the RW-6 and RW-7 and has increased slightly in RW-3.

2. The shallow residuum and deep bedrock aquifers are contaminated with chlorides. All the water wells in the immediate area have detectable concentrations of chlorides, but only one exceeded the 2L Standard. Samples from the Hancock well consistently have concentrations of chlorides above the State's 2L Standard of 250 ppm. The concentrations of chlorides in the samples have remained fairly constant over the 18 year sampling history at the site.
3. All the residences within 1,000 feet of the site have had point-of-use reverse osmosis systems installed at the kitchen sink. In addition, a point-of-entry carbon adsorption system was installed at the Hancock residence. As a result, there is a limited risk of exposure to hydrocarbons or chloride for people in the area. The systems are maintained on a quarterly basis. However, some residents do not always allow access to their home.

7.0 RECOMMENDATIONS

Concentrations of hydrocarbons in site groundwater have remained fairly constant since the last monitoring event with the exception of RW-3. Concentrations of chloride spiked during the January 2007 sampling event but returned to previously observed trends during the March and July 2007 sampling events. Based on this, and the fact that impacted nearby residences have maintained water treatment systems, Trigon recommends continued monitoring as specified in the February 2004 Corrective Action Plan.

TABLES

TABLE 1: PROPERTIES WITHIN 1,500 FEET OF THE SITE WITH WATER WELLS

Parcel ID No.	Property Owner	Property Address
7794400682	Sherry J. Norman	3575 NC Hwy 22N, Franklinville, NC 27248
7794403084	William E. & Jane P. Rhodes	3520 NC Hwy 22 N., Franklinville, NC 27248
7794308034	Joseph & Anne Sue Beal	3511 NC Hwy 22 N., Franklinville, NC 27248
7793491793	Hancock Old Fashion Ctry Ham	3482 NC Hwy 22N., Franklinville, NC 27248
7793491252	Julia S. Hancock	3456 NC Hwy 22 N., Franklinville, NC 27248
7793395540	Wilbert L. Hancock	1716 Academy Rd. Ext., Franklinville, NC 27248
7793394490	Terry Wesley	P. O. Box 1300, Ramseur, NC 27316
7793393252	Raymond Jester, Jr.	3419 NC Hwy 22 N., Franklinville, NC 27248
7793392064	Peggy J. Brown	3399 NC Hwy 22N., Franklinville, NC 27248
7793381857	James T. & Charlotte Kivett	3367 NC Hwy 22 N., Franklinville, NC 27248
7793582180	Richard Wallace	3519 Cedar Forest Rd, Franklinville, Nc 27248
7793580431	Irene C. Garrett	3521 Cedar Forest Rd, Franklinville, NC 27248
7793487411	Steven E. & Loretta Thompson	3505 Cedar Forest Rd, Franklinville, NC 27248

Note: Locations shown on Figure 3.

TABLE 2: ADJACENT PROPERTY OWNERS

Parcel ID No.	Property Owner	Property Address
7794403084	William E. & Jane P. Rhodes	3520 NC Hwy 22 N., Franklinville, NC 27248
7794308034	Joseph & Anne Sue Beal	3511 NC Hwy 22 N., Franklinville, NC 27248
7793491252	Julia S. Hancock	3456 NC Hwy 22 N., Franklinville, NC 27248
7793593950	George H. & Barbara Poe	3862 HardinEllison Rd., Franklinville, NC 27248
7793597552	Mark A. & Marcia Coponen	3896 HardinEllison Rd., Franklinville, NC 27248
7793395540	Wilbert L. Hancock	1716 Academy Rd. Ext., Franklinville, NC 27248

Note: Locations shown on Figure 3.

TABLE 3: GROUNDWATER SAMPLE RESULTS: July 18, 2007

Compound/ Analysis	Monitoring and Recovery Wells									State 2L Standards
	MW-1S	MW-1D	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6	RW-7	
	07/18/07	07/18/07	07/18/07	07/18/07	07/18/07	07/18/07	07/18/07	07/18/07	07/18/07	
Benzene	BQL	BQL	BQL	BQL	39.7	BQL	BQL	25.8	205	29
Ethylbenzene	BQL	BQL	BQL	BQL	20.1	BQL	BQL	16	193	1,000
Toluene	BQL	BQL	BQL	BQL	69.8	BQL	BQL	118	444	530
Total Xylenes	BQL	BQL	BQL	BQL	84.6	BQL	BQL	147	1059	---
Total BTEX	--	--	--	--	214.2	--	--	306.8	1901	---
MTBE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	200
IPE	BQL	BQL	BQL	2.32	4.05	1.04	BQL	BQL	116	70
Chloride	1362	1329	704	440	3767	205	298	161	220	250

Compound/ Analysis	Water Supply Wells										State 2L Standards
	SW	Beal (1)	Norman (2)	Gibson (3)	Presnell (4)	Jester (5)	Hancock BTS (6)	Hancock ATS (6)	ERW	Brown (7)	
	07/18/07	07/18/07	07/18/07	07/18/07	07/18/07	07/18/07	07/18/07	07/18/07	07/18/07	07/18/07	
Benzene	NS	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	1
Ethylbenzene	NS	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	29
Toluene	NS	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	1,000
Total Xylenes	NS	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	530
Total BTEX	--	--	--	--	--	--	--	--	--	--	---
MTBE	NS	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	200
IPE	NS	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	70
Chloride	NS	127	15	193	88	51	1265	NS	110	224	250

Notes:

All results in parts per billion (ppb), except chloride which is presented in parts per million (ppm)

Concentrations which exceed the 2L Groundwater Quality Standards are bold

2L Standards - Subchapter 2L Quality Standards for Class GA groundwater

BQL- Below the quantitation limit of the method of analysis

MTBE - Methyl-tert-butyl-ether

IPE - Isopropyl Ether

ERW - Ed Rhodes Well

SW - South Well

NS - Not Sampled

BTS- Before Treatment System

ATS- After Treatment System

TABLE 4: HISTORICAL MONITORING AND RECOVERY WELL SAMPLE RESULTS

Compound/Analysis 2L Standards	Benzene 1	Ethylbenzene 29	Toluene 1,000	Total Xylenes 530	Total BTEX —	MTBE 200	IPE 70	EDB 4 x 10 ⁻⁶	Method 601 —	Lead 15	Chloride 250
Monitoring Wells											
MW-1S											
10/23/88	BQL	BQL	BQL	BQL	—	NA	NA	NA	NA	NA	NA
11/30/88	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	3,800
10/01/96	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	BQL	21.9	9,844
02/17/98	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	NA	6.53	4,590
06/12/03	BQL	BQL	1.9	BQL	1.9	BQL	BQL	BQL	BQL	12.4	3,150
10/08/03	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	BQL	3,200
01/08/04	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	BQL	2,710
04/07/04	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	BQL	2,800
07/20/04	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	2,700
12/15/04	BQL	BQL	1.24	BQL	1.24	BQL	BQL	NA	NA	NA	2,351
03/24/05	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	2,620
08/23/05	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	2,210
12/01/05	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,990
03/08/06	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,700
06/20/06	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,541
10/12/06	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,662
01/03/07	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,496
03/22/07	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,346
07/18/07	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,362
MW-1D											
11/9-10/88	BQL	BQL	BQL	BQL	—	NA	NA	NA	NA	NA	740
02/29/96	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	1,387
10/11/96	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	BQL	112	1,781
02/19/98	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	NA	155	851
06/12/03	NS	NS	NS	NS	—	NS	NS	NS	NS	NS	NS
10/08/03	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	NA	23.5	1,100
01/08/04	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	NA	BQL	1,080
04/07/04	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	NA	BQL	1,040
07/20/04	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	NA	NA	987
12/15/04	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	NA	NA	1,029
03/24/05	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	NA	NA	1,150
08/23/05	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	NA	NA	1,480
12/01/05	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	NA	NA	1,370
03/08/06	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	NA	NA	1,200
06/20/06	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	NA	NA	1,394
10/12/06	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	NA	NA	1,297
01/03/07	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	NA	NA	1,449
3/22/07	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,104
07/18/07	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,329

Notes:

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TABLE 4: HISTORICAL MONITORING AND RECOVERY WELL SAMPLE RESULTS

Compound/Analysis 2L Standards	Benzene 1	Ethylbenzene 29	Toluene 1,000	Total Xylenes 530	Total BTEX ---	MTBE 200	IPE 70	EDB 4 x 10 ⁻⁴	Method 601 ---	Lead 15	Chloride 250
Recovery Wells											
RW-1											
05/26/93	NA	NA	NA	NA	---	NA	NA	NA	NA	NA	473
02/17/98	BQL	BQL	BQL	BQL	---	BQL	20	BQL	BQL	23	284
03/23/99	BQL	BQL	BQL	BQL	---	BQL	13	NA	NA	NA	492
06/12/03	BQL	BQL	BQL	BQL	---	BQL	2.7	BQL	BQL	NA	553
10/08/03	BQL	BQL	BQL	BQL	---	BQL	1	NA	BQL	NA	550
01/08/04	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	BQL	NA	525
04/07/04	BQL	BQL	BQL	BQL	---	BQL	1.9	NA	BQL	NA	612
07/20/04	BQL	BQL	BQL	BQL	---	BQL	BQL	BQL	NA	NA	643
12/15/04	BQL	BQL	BQL	BQL	---	BQL	1.07	BQL	NA	NA	594
03/24/05	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	NA	569
08/23/05	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	NA	668
12/01/05	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	NA	530
03/08/06	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	NA	190
06/20/06	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	NA	377
10/12/06	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	NA	486
01/03/07	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	NA	665
03/22/07	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	NA	308
07/18/07	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	NA	704
RW-2											
05/26/93	BQL	BQL	BQL	BQL	---	BQL	NA	NA	NA	NA	429
02/17/98	BQL	BQL	BQL	BQL	---	BQL	22	BQL	BQL	16.8	255
03/23/99	BQL	BQL	BQL	BQL	---	BQL	12	NA	NA	NA	419
06/12/03	1.2	BQL	1.1	BQL	2.3	BQL	BQL	BQL	BQL	5.48	575
10/08/03	BQL	BQL	BQL	BQL	---	BQL	1.3	NA	NA	BQL	370
01/08/04	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	BQL	765
04/07/04	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	BQL	627
12/15/04	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	NA	755
03/24/05	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	NA	773
08/23/05	BQL	BQL	1.51	BQL	1.51	BQL	BQL	NA	NA	NA	659
12/01/05	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	NA	783
03/08/06	BQL	BQL	BQL	BQL	---	BQL	1.7	NA	NA	NA	560
06/20/06	BQL	BQL	BQL	BQL	---	BQL	2.3	NA	NA	NA	783
10/12/06	BQL	BQL	BQL	BQL	---	BQL	1.95	NA	NA	NA	519
01/03/07	BQL	BQL	BQL	BQL	---	BQL	1.77	NA	NA	NA	641
03/22/07	BQL	BQL	BQL	BQL	---	BQL	2.32	NA	NA	NA	445
07/18/07	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	NA	440

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Compound/Analysis 2L Standards	Benzene 1	Ethylbenzene 29	Toluene 1,000	Total Xylenes 530	Total BTEX ---	MTBE 200	IPB 70	EDB 4 x 10 ⁻⁶	Method 601 ---	Lead 15	Chloride 250
RW-3											
05/26/93	NA	NA	NA	NA	---	NA	NA	NA	NA	NA	1,219
03/17/98	NA	NA	NA	NA	---	NA	NA	NA	NA	NA	4,250
02/17/98	190	BQL	32	BQL	222	BQL	22	BQL	BQL	29.9	3,800
10/20/12	43	BQL	20	16	79	BQL	9	NA	NA	NA	NA
10/20/13	66	BQL	27	23	116	BQL	17	NA	NA	NA	4,250
10/20/14	180	BQL	65	74	319	BQL	21	NA	NA	NA	6,400
03/23/99	85	BQL	12	BQL	97	BQL	32	NA	NA	NA	3,423
06/12/03	45	BQL	160	219	424.00	BQL	16	BQL	BQL	5.45	4,230
10/08/03	99	84	300	560	1,043.00	BQL	79	NA	NA	BQL	3,800
01/08/04	110	20	99	360	589.00	BQL	30	NA	NA	BQL	4,210
04/07/04	130	18	480	650	1,278.00	BQL	91	NA	NA	BQL	4,850
07/20/04	74.9	67	137	253.8	532.70	BQL	BQL	NA	NA	NA	2,720
12/15/04	41.6	10.8	34	68.7	155.10	BQL	13.8	NA	NA	NA	3,705
03/24/05	85.2	37.7	270	226	618.90	BQL	BQL	NA	NA	NA	4,010
08/23/05	63.2	43.4	61.4	34.9	202.90	8	3.89	NA	NA	NA	3,290
12/01/05	54.7	7.25	BQL	26.8	88.75	BQL	12.2	NA	NA	NA	4,600
03/08/06	17	2.6	12	11	42.60	BQL	7	NA	NA	NA	4,400
06/20/06	NS	NS	NS	NS	---	NS	NS	NS	NS	NS	NS
10/12/06	NS	NS	NS	NS	---	NS	NS	NS	NS	NS	NS
01/03/07	2	BQL	12	4	18	BQL	BQL	NA	NA	NA	1,758
03/22/07	6.24	1.90	14.30	16.94	39.38	3.33	6.03	NA	NA	NA	3,261
07/18/07	39.70	20.10	69.80	84.60	214.20	BQL	4.05	NA	NA	NA	3,767
RW-4											
05/26/93	BQL	BQL	BQL	BQL	---	BQL	NA	NA	NA	NA	457
02/17/98	BQL	BQL	BQL	BQL	---	BQL	1	BQL	BQL	30.8	226
03/23/99	BQL	BQL	BQL	BQL	---	BQL	5	NA	NA	NA	410
06/12/03	BQL	BQL	BQL	BQL	---	BQL	1.7	BQL	BQL	BQL	368
10/08/03	BQL	BQL	BQL	BQL	---	BQL	2.8	NA	NA	BQL	400
01/08/04	BQL	BQL	BQL	BQL	---	BQL	2.2	NA	NA	BQL	304
04/07/04	BQL	BQL	BQL	BQL	---	BQL	2.3	NA	NA	BQL	323
07/20/04	BQL	BQL	BQL	BQL	---	BQL	1.9	NA	NA	NA	277
12/15/04	BQL	BQL	BQL	BQL	---	BQL	2.05	NA	NA	NA	271
03/24/05	BQL	BQL	BQL	BQL	---	BQL	2.33	NA	NA	NA	249
08/23/05	BQL	BQL	BQL	BQL	---	BQL	1.81	NA	NA	NA	228
12/01/05	BQL	BQL	BQL	BQL	---	BQL	1.13	NA	NA	NA	220
03/08/06	BQL	BQL	BQL	BQL	---	BQL	1	NA	NA	NA	120
06/20/06	BQL	BQL	BQL	BQL	---	BQL	1.65	NA	NA	NA	218
10/12/06	BQL	BQL	BQL	BQL	---	BQL	1.57	NA	NA	NA	217
01/03/07	BQL	BQL	BQL	BQL	---	BQL	BQL	NA	NA	NA	428
03/22/07	BQL	BQL	BQL	BQL	---	BQL	1.56	NA	NA	NA	220
07/18/07	BQL	BQL	BQL	BQL	---	BQL	1.04	NA	NA	NA	205

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RW-5											
05/26/93	BQL	BQL	BQL	BQL	—	BQL	NA	NA	NA	NA	428
02/17/98	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	BQL	47.9	316
03/23/99	1	BQL	BQL	BQL	1	BQL	BQL	NA	NA	NA	386
06/12/03	BQL	BQL	BQL	BQL	—	BQL	BQL	BQL	BQL	BQL	282
10/08/03	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	340
01/08/04	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	5.72	324
04/07/04	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	BQL	338
07/20/04	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	315
12/15/04	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	347
03/24/05	BQL	BQL	BQL	BQL	—	BQL	2	NA	NA	NA	345
08/23/05	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	354
12/01/05	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	329
03/08/06	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	150
06/20/06	NS	NS	NS	NS	—	NS	NS	NS	NS	NS	NS
10/12/06	NS	NS	NS	NS	—	NS	NS	NS	NS	NS	NS
01/03/07	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	404
03/22/07	NS	NS	NS	NS	—	NS	NS	NS	NS	NS	NS
07/18/07	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	298
RW-6											
05/26/98	252.18	NA	12.34	236.09	500.61	NA	NA	NA	NA	NA	144/865
10/01/88	980	BQL	94	69	1,143	NA	NA	NA	NA	NA	800
05/26/93	574	BQL	41	44	659	27	NA	NA	NA	NA	245
02/17/98	55	15	56	36	162	BQL	15	BQL	BQL	BQL	301
10/21/98	BQL	BQL	BQL	BQL	—	BQL	8	NA	NA	NA	615
03/23/99	5	BQL	BQL	BQL	5	BQL	9	NA	NA	NA	599
06/12/03	84	36	210	310	640	BQL	12	BQL	BQL	BQL	521
10/08/03	76	52	220	380	728	BQL	23	NA	NA	12	310
01/08/04	51	40	170	310	571	BQL	32	NA	NA	BQL	223
04/07/04	38	24	120	184	366	BQL	10	NA	NA	BQL	275
07/20/04	41	327	141	226	735	BQL	12	NA	NA	NA	219
12/15/04	33.4	20.8	110	160.5	324.7	BQL	7.5	NA	NA	NA	190
03/24/05	25.7	17.9	80.7	129.4	253.7	BQL	6.05	NA	NA	NA	195
08/23/05	35.8	23.4	124	182.7	365.9	BQL	5.82	NA	NA	NA	167
12/01/05	31.7	15.7	117	147	311.4	BQL	5.98	NA	NA	NA	185
03/08/06	31	20	110	160	321	BQL	5.6	NA	NA	NA	120
06/20/06	36.7	23.8	138	203.8	402.3	BQL	12.3	NA	NA	NA	297
10/12/06	30.7	20.5	130	173.8	355	BQL	BQL	NA	NA	NA	212
01/03/07	32	20	139	156	347	BQL	BQL	NA	NA	NA	523
03/22/07	35.6	23.8	127	164.3	350.7	BQL	19.1	NA	NA	NA	212
07/18/07	25.8	16	118	147	306.8	BQL	BQL	NA	NA	NA	161

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RW-7											
5/26/1993 ²	BQL	BQL	BQL	BQL	---	24	NA	NA	NA	NA	324
3/29/1996 ²	NA	NA	NA	NA	---	NA	NA	NA	NA	NA	211
2/17/1998 ⁴	1,100	330	2,400	2,560	6,390	BQL	BQL	0.98	BQL	213	140
10/21/98	450	350	1,000	1,630	3430	BQL	83	NA	NA	NA	240
3/23/99	460	130	600	470	1660	BQL	110	NA	NA	NA	261
6/12/03	440	170	1100	1,960	3,670	BQL	BQL	BQL	BQL	BQL	293
10/8/03	410	260	790	1,480	2,940	BQL	BQL	BQL	NA	BQL	350
1/8/2004 ¹⁷	470	320	990	1,640	3,420	BQL	120	BQL	NA	BQL	321
4/7/04	390	280	960	1,530	3,160	BQL	62	BQL	NA	BQL	310
7/20/04	388	269	954	1,477	3,088	BQL	63.2	NA	NA	NA	283
12/15/04	361	322	981	1,354	3,018	BQL	89.9	NA	NA	NA	299
3/24/05	359	289	956	1,517	3,121	BQL	BQL	NA	NA	NA	258
8/23/05	276	222	607	1,597	2,702	BQL	34	NA	NA	NA	261
12/1/05	288	265	770	1,404	2,727	BQL	65.1	NA	NA	NA	287
3/8/06	300	260	800	1,400	2,760	BQL	BQL	NA	NA	NA	140
6/20/06	226	191	505	1,419	2,341	BQL	117	NA	NA	NA	276
10/12/06	201	183	475	1,073	1,932	BQL	BQL	NA	NA	NA	274
1/3/07	263	32.9	584	1,287	2166.9	BQL	BQL	NA	NA	NA	333
3/22/07	218	204	495	1,030	1947	41.3	152	NA	NA	NA	220
7/18/07	205	193	444	1,059	1901	BQL	116	NA	NA	NA	220

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¹⁵ Sample 7B Collected from Packer Test Interval 170 - 190 ft. bls.

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TABLE 5: HISTORICAL WATER WELL SAMPLE RESULTS

Compound/Analysis	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX	MTBE	IPE	EDB	Method 601	Lead	Chloride
2L Standards	1	29	1,000	530	—	200	70	4 x 10 ⁻⁴	—	15	250
Water Supply Wells											
SW-1											
5/26/1988	BQL	NA	BQL	BQL	--	NA	NA	NA	NA	NA	542
8/30/1988	750	BQL	83	150	983	NA	NA	NA	NA	NA	600
5/20/1993	121	BQL	8	22	151	NA	NA	NA	NA	NA	562
10/1/1996	BQL	BQL	BQL	BQL	--	4	37	NA	BQL	BQL	208
2/17/1998	BQL	BQL	BQL	BQL	--	BQL	22	BQL	BQL	BQL	668
6/12/2003	BQL	BQL	BQL	BQL	--	BQL	11	BQL	BQL	BQL	553
10/8/2003	BQL	BQL	BQL	BQL	--	BQL	4	NA	NA	6.5	390
1/8/2004	BQL	BQL	BQL	BQL	--	BQL	3.4	NA	NA	BQL	440
4/7/2004	BQL	BQL	BQL	BQL	--	BQL	6.2	NA	NA	BQL	298
7/20/2004	BQL	BQL	BQL	BQL	--	BQL	1.57	NA	NA	BQL	377
12/15/2004	BQL	BQL	BQL	BQL	--	BQL	4.46	NA	NA	NA	209
3/24/2005	BQL	BQL	BQL	BQL	--	BQL	1.28	NA	NA	NA	353
8/23/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	532
6/20/2006	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS
10/12/2006	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS
1/5/2007	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS
3/22/2007	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS
7/18/2007	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS
Beal (1)											
8/30/1988	BQL	BQL	BQL	BQL	--	NA	NA	NA	NA	NA	93
5/20/1993	BQL	BQL	BQL	BQL	--	NA	NA	NA	NA	NA	136
10/1/1996	BQL	BQL	BQL	BQL	--	BQL	4	NA	BQL	BQL	91.2
2/18/1998	BQL	BQL	BQL	BQL	--	BQL	17	BQL	NA	5.97	86
6/13/2003	BQL	BQL	BQL	BQL	--	BQL	BQL	BQL	BQL	BQL	110
10/8/2003	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	90
1/8/2004	BQL	BQL	BQL	BQL	--	BQL	3	NA	NA	BQL	94.5
4/7/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	77.5
7/20/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	73.1
12/15/2004	BQL	BQL	BQL	BQL	--	BQL	9.89	NA	NA	NA	154
3/24/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	85.4
8/23/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	99.4
12/1/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	7.49
3/8/2006	BQL	BQL	BQL	BQL	--	BQL	5.4	NA	NA	NA	63
6/20/2006	BQL	BQL	BQL	BQL	--	BQL	13.7	NA	NA	NA	218
10/12/2006	BQL	BQL	BQL	BQL	--	BQL	3.92	NA	NA	NA	229
1/5/2007	BQL	BQL	BQL	BQL	--	BQL	2.2	NA	NA	NA	333
3/22/2007	BQL	BQL	BQL	BQL	--	BQL	2.8	NA	NA	NA	158
7/18/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	127

Notes:

All results in parts per billion (ppb), except chloride which is presented in parts per million (ppm)

Concentrations which exceed the 2L Groundwater Quality Standards are bold

2L Standards - Subchapter 2L Quality Standards for Class GA groundwater

NA- Not analyzed for this compound

NS - Not Sampled

BQL- Below the quantitation limit of the method of analysis

SW - South Well

MTBE - Methyl-tert-butyl-ether

IPE - Isopropyl ether

TABLE 5: HISTORICAL WATER WELL SAMPLE RESULTS

Compound/Analysis	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX	MTBE	IPE	EDB	Method 601	Lead	Chloride
2L Standards	1	29	1,000	530	---	200	70	4 x 10 ⁻⁴	---	15	250
Water Supply Wells											
F. Norman (2)											
8/30/1988	BQL	BQL	BQL	BQL	--	NA	NA	NA	NA	NA	8.6
5/20/1993	BQL	BQL	BQL	BQL	--	NA	NA	NA	NA	NA	9
10/1/1996	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	BQL	BQL	49.9
2/18/1998	BQL	BQL	BQL	BQL	--	BQL	BQL	BQL	NA	BQL	43.4
6/12/2003	BQL	BQL	BQL	BQL	--	BQL	BQL	BQL	BQL	BQL	2.4
10/8/2003	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	6.7
1/8/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	5.82
4/7/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	7.56
12/15/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	9.5
3/24/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	8.58
8/23/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	10.8
12/1/2005	BQL	BQL	BQL	BQL	--	BQL	3.89	NA	NA	NA	135
3/8/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	6.2
6/20/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	19.6
10/12/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	17.7
1/5/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	309
3/22/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	11.4
7/18/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	15
Gibson (3)											
8/30/1988	BQL	BQL	BQL	BQL	--	NA	NA	NA	NA	NA	210
5/20/1993	BQL	BQL	BQL	BQL	--	NA	NA	NA	NA	NA	265
10/1/1996	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	BQL	BQL	343
2/18/1998	BQL	BQL	BQL	BQL	--	BQL	BQL	BQL	NA	BQL	205
6/13/2003	BQL	BQL	BQL	BQL	--	BQL	BQL	BQL	BQL	BQL	230
10/8/2003	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	12	260
1/8/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	276
4/7/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	267
7/20/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	302
12/15/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	238
3/24/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	235
8/23/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	230
12/1/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	402
3/8/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	100
6/20/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	191
10/12/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	174
1/5/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	356
3/22/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	160.4
7/18/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	193

Notes:

All results in parts per billion (ppb), except chloride which is presented in parts per million (ppm)

Concentrations which exceed the 2L Groundwater Quality Standards are bold

2L Standards - Subchapter 2L Quality Standards for Class GA groundwater

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BQL- Below the quantitation limit of the method of analysis

SW - South Well

MTBE - Methyl-tert-butyl-ether

IPE - Isopropyl ether

TABLE 5: HISTORICAL WATER WELL SAMPLE RESULTS

Compound/Analysis	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX	MTBE	IPE	EDB	Method 601	Lead	Chloride
2L Standards	1	29	1,000	530	---	200	70	4×10^{-4}	---	15	250
Water Supply Wells											
Presnell (4)											
8/30/1988	BQL	BQL	BQL	BQL	--	NA	NA	NA	NA	NA	100
5/20/1993	BQL	BQL	BQL	BQL	--	NA	NA	NA	NA	NA	265
10/1/1996	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	BQL	BQL	119
2/18/1998	BQL	BQL	BQL	BQL	--	BQL	BQL	BQL	NA	BQL	80.8
6/13/2003	BQL	BQL	BQL	BQL	--	BQL	BQL	BQL	2.9	BQL	88
10/8/2003	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	86
1/8/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	74.7
4/7/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	70.9
7/20/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	90.2
12/15/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	76
3/24/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	87.3
8/23/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	103
12/1/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	80.8
3/8/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	45
6/20/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	92.9
10/12/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	82.5
1/5/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	119
3/22/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	75
7/18/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	88
Jester (5)											
8/30/1988	BQL	BQL	BQL	BQL	--	NA	NA	NA	NA	NA	34
5/20/1993	BQL	BQL	BQL	BQL	--	NA	NA	NA	NA	NA	35
10/1/1996	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	BQL	BQL	493
2/17/1998	BQL	BQL	BQL	BQL	--	BQL	BQL	BQL	NA	BQL	67
6/13/2003	BQL	BQL	BQL	BQL	--	BQL	BQL	BQL	NA	BQL	43
10/8/2003	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	46
1/8/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	42.9
4/7/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	42.1
7/20/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	43.4
12/15/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	47.5
3/24/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	49.1
8/23/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	58.2
12/1/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	38.5
3/8/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	33
6/20/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	44
10/12/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	47.1
1/5/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	127
3/22/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	46.6
7/18/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	51

Notes:

All results in parts per billion (ppb), except chloride which is presented in parts per million (ppm)

Concentrations which exceed the 2L Groundwater Quality Standards are bold

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NA- Not analyzed for this compound

NS - Not Sampled

BQL- Below the quantitation limit of the method of analysis

SW - South Well

MTBE - Methyl-tert-butyl-ether

IPE - Isopropyl ether

* Sample actually taken before treatment system

TABLE 5: HISTORICAL WATER WELL SAMPLE RESULTS

Compound/Analysis	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX	MTBE	IPE	EDB	Method 601	Lead	Chloride
2L Standards	1	29	1,000	530	—	200	70	4×10^{-4}	—	15	250
Water Supply Wells											
J. Hancock (6) before treatment system											
8/30/1988	11	BQL	1	13	25	NA	NA	NA	NA	NA	3,100
5/20/1993	192	BQL	BQL	BQL	192	NA	NA	NA	NA	NA	2,224
2/29/1996	NA	NA	NA	NA	—	NA	NA	NA	NA	NA	2,741
10/1/1996	68	BQL	BQL	9	77	4	23	NA	BQL	6.55	4,189
2/17/1998	56	BQL	BQL	BQL	56	BQL	15	BQL	NA	BQL	3,934
6/13/2003	BQL	BQL	BQL	BQL	—	BQL	3	BQL	BQL	BQL	2,300
10/8/2003	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	BQL	780
1/8/2004	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	BQL	826
4/7/2004	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	BQL	906
7/20/2004	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	BQL	900
12/15/2004	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	879
3/24/2005	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	912
8/23/2005	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,010
12/1/2005	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,290
3/8/2006	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,400
6/20/2006	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,199
10/12/2006	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,132
1/5/2007	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,152
3/22/2007	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	926
7/18/2007	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	1,265
J. Hancock (6) after treatment system											
6/20/2006	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NA	NA	NA	1223*
10/12/2006	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	61.3
1/5/2007	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	127
3/22/2007	BQL	BQL	BQL	BQL	—	BQL	BQL	NA	NA	NA	83.8
7/18/2007	NS	NS	NS	NS	—	NS	NS	NS	NS	NS	NS

Notes:

All results in parts per billion (ppb), except chloride which is presented in parts per million (ppm)

Concentrations which exceed the 2L Groundwater Quality Standards are bold

2L Standards - Subchapter 2L Quality Standards for Class GA groundwater

NA- Not analyzed for this compound

NS - Not Sampled

BQL- Below the quantitation limit of the method of analysis

SW - South Well

MTBE - Methyl-tert-butyl-ether

IPE - Isopropyl ether

TABLE 5: HISTORICAL WATER WELL SAMPLE RESULTS

Compound/Analysis	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX	MTBE	IPE	EDB	Method 601	Lead	Chloride
2L Standards	1	29	1,000	530	---	200	70	4 x 10 ⁻⁴	---	15	250
Water Supply Wells											
Rhodes (ERW)											
5/26/1988	715.8	NA	108.5	276.32	1,100.62	NA	NA	NA	NA	NA	79
8/30/1988	400	BQL	71	BQL	471	NA	NA	NA	NA	NA	190
5/20/1993	39	BQL	BQL	BQL	39	NA	NA	NA	NA	NA	147
10/1/1996	BQL	BQL	BQL	BQL	--	BQL	BQL	BQL	NA	BQL	171
2/18/1998	BQL	BQL	BQL	BQL	--	BQL	BQL	BQL	NA	BQL	86
6/12/2003	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	81
10/8/2003	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	120
1/8/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	108
4/7/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	114
7/20/2004	BQL	BQL	BQL	BQL	--	BQL	1.57	NA	NA	BQL	123
12/15/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	109
3/24/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	104
8/23/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	125
12/1/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	103
3/8/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	52
6/20/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	88.3
10/12/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	84.9
1/5/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	119
3/22/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	93.6
7/18/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	110
Brown (7)											
6/12/2003	BQL	BQL	BQL	BQL	--	BQL	BQL	BQL	BQL	BQL	380
10/8/2003	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	420
1/8/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	297
4/7/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	BQL	470
7/20/2004	BQL	BQL	BQL	BQL	--	BQL	1.57	NA	NA	BQL	408
12/15/2004	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	330
3/24/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	475
8/23/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	305
12/1/2005	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	228
3/8/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	110
6/20/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	230
10/12/2006	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	220
1/5/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	273
3/3/07	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	177
7/18/2007	BQL	BQL	BQL	BQL	--	BQL	BQL	NA	NA	NA	224

Notes:

All results in parts per billion (ppb), except chloride which is presented in parts per million (ppm)

Concentrations which exceed the 2L Groundwater Quality Standards are bold

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NA - Not analyzed for this compound

NS - Not Sampled

BQL- Below the quantitation limit of the method of analysis

SW - South Well

MTBE - Methyl-tert-butyl-ether

IPE - Isopropyl ether

TABLE 6: HISTORICAL SURFACE WATER SAMPLE RESULTS

Compound/ Analysis	S-1 (upper)																		State Standard
	10/31/88 ⁵	10/11/96 ⁶	2/18/98 ⁶	6/12/03 ⁷	10/8/03 ⁷	1/8/04 ⁷	4/7/04 ⁷	7/20/04 ⁷	12/15/04 ⁷	3/24/05 ⁷	8/23/05 ⁷	12/01/05 ⁷	3/08/06 ⁷	6/20/06 ⁷	10/12/06 ⁷	1/3/07 ⁷	3/22/07 ⁷	7/18/07 ⁷	
Benzene ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	BQL	NS	1.19
Ethylbenzene ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	BQL	NS	—
Toluene ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	BQL	NS	11
Total Xylenes ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	BQL	NS	—
Total BTEX	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MTBE ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	BQL	NS	—
DIPE ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	BQL	NS	—
EDB ²	NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA	NS	NA	BQL	NS	NS	BQL	BQL	NS	—
Method 601 ²	NA	BQL	NA	BQL	NA	NA	NA	NA	NA	NA	NS	NA	BQL	NS	NS	BQL	BQL	NS	—
Lead ³	NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA	NS	NA	BQL	NS	NS	BQL	BQL	NS	25
Chloride ⁴	1,000	74.6	22.8	12	7.6	10.8	13.6	209	31.6	27.8	NS	33.3	35	NS	NS	37.5	23.3	NS	250

Compound/ Analysis	S-2 (mid)																		State Standard
	10/31/88 ⁵	10/11/96 ⁶	2/18/98 ⁶	6/12/03 ⁷	10/8/03 ⁷	1/8/04 ⁷	4/7/04 ⁷	7/20/04 ⁷	12/15/04 ⁷	3/24/05 ⁷	8/23/05 ⁷	12/01/05 ⁷	3/08/06 ⁷	6/20/06 ⁷	10/12/06 ⁷	1/3/07 ⁷	3/22/07 ⁷	7/18/07 ⁷	
Benzene ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	1.19
Ethylbenzene ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	—
Toluene ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	11
Total Xylenes ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	—
Total BTEX	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MTBE ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	—
DIPE ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	—
EDB ²	NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA	NA	NA	BQL	BQL	NS	BQL	BQL	NS	—
Method 601 ²	NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA	NA	NA	BQL	BQL	NS	BQL	BQL	NS	—
Lead ³	NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA	NA	NA	BQL	BQL	NS	BQL	BQL	NS	25
Chloride ⁴	840	72.2	156	27	16	39.8	41.1	15.1	64.1	49.8	79.2	248	39	26.4	NS	39.9	55.9	NS	250

Compound/ Analysis	S-3 (lower)																		State Standard
	10/31/88 ⁵	10/11/96 ⁶	2/18/98 ⁶	6/12/03 ⁷	10/8/03 ⁷	1/8/04 ⁷	4/7/04 ⁷	7/20/04 ⁷	12/15/04 ⁷	3/24/05 ⁷	8/23/05 ⁷	12/01/05 ⁷	3/08/06 ⁷	6/20/06 ⁷	10/12/06 ⁷	1/3/07 ⁷	3/22/07 ⁷	7/18/07 ⁷	
Benzene ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	1.19
Ethylbenzene ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	—
Toluene ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	11
Total Xylenes ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	—
Total BTEX	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MTBE ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	—
DIPE ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	—
EDB ²	NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA	NA	NA	BQL	BQL	BQL	BQL	BQL	NS	—
Method 601 ²	NA	BQL	NA	BQL	NA	NA	NA	NA	NA	NA	NA	NA	BQL	BQL	BQL	BQL	BQL	NS	—
Lead ³	NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA	NA	NA	BQL	BQL	BQL	BQL	BQL	NS	25
Chloride ⁴	700	295	54.7	29	32	53.4	53.1	97.1	105	51.2	35.6	140	61	75.8	25.9	79.8	70.9	NS	250

Notes:

All results in parts per billion (ppb), except chloride which is presented in parts per million (ppm)

Concentrations which exceed the 2B Surface Water Quality Standards are bold

2B Standards - Subchapter 2B Quality Standards for Surface Water (NCAC 15A 2B.0200)

NS- Not Sampled

NA- Not analyzed for this compound

BQL- Below the quantitation limit of the method of analysis

MTBE - Methyl-tert-butyl-ether

IPE - Isopropyl Ether

¹ EPA Method 602 with a detection limit of 1 to 2 ppb

² EPA Method 601 with a detection limit of 1 to 5 ppb

*Ms. Ruth Debritto, Smithfield Foods, Inc.
Hancock Country Hams, Franklinville, North Carolina*

*September 11, 2007
Trigon Project No. 042-07-064*

³ EPA Method 239.1 with a detection limit of 5 ppb
⁴ EPA Method SM4500C with a detection limit of 0.10 ppm
⁵ Sample collected by Westinghouse Environmental
⁶ Sample collected by BPA Environmental & Engineering, Inc.
⁷ Sample collected by Trigon Engineering Consultants, Inc.
⁸ EPA Method 504.1 with a detection of 0.02 ppb

TABLE 6: HISTORICAL SURFACE WATER SAMPLE RESULTS

Compound/ Analysis	S-1 (upper)																		State Standard
	10/31/88 ⁵	10/11/96 ⁶	2/18/98 ⁶	6/12/03 ⁷	10/8/03 ⁷	1/8/04 ⁷	4/7/04 ⁷	7/20/04 ⁷	12/15/04 ⁷	3/24/05 ⁷	8/23/05 ⁷	12/01/05 ⁷	3/08/06 ⁷	6/20/06 ⁷	10/12/06 ⁷	1/3/07 ⁷	3/22/07 ⁷	7/18/07 ⁷	
Benzene ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	BQL	NS	1.19
Ethylbenzene ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	BQL	NS	—
Toluene ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	BQL	NS	11
Total Xylenes ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	BQL	NS	—
Total BTEX	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MTBE ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	BQL	NS	—
DIPE ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	BQL	NS	—
EDB ¹	NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA	NS	NA	BQL	NS	NS	BQL	BQL	NS	—
Method 601 ²	NA	BQL	NA	BQL	NA	NA	NA	NA	NA	NA	NS	NA	BQL	NS	NS	BQL	BQL	NS	—
Lead ³	NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA	NS	NA	BQL	NS	NS	BQL	BQL	NS	25
Chloride ⁴	1,000	74.6	22.8	12	7.6	10.8	13.6	209	31.6	27.8	NS	33.3	35	NS	NS	37.5	23.3	NS	250

Compound/ Analysis	S-2 (mid)																		State Standard
	10/31/88 ⁵	10/11/96 ⁶	2/18/98 ⁶	6/12/03 ⁷	10/8/03 ⁷	1/8/04 ⁷	4/7/04 ⁷	7/20/04 ⁷	12/15/04 ⁷	3/24/05 ⁷	8/23/05 ⁷	12/01/05 ⁷	3/08/06 ⁷	6/20/06 ⁷	10/12/06 ⁷	1/3/07 ⁷	3/22/07 ⁷	7/18/07 ⁷	
Benzene ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	1.19
Ethylbenzene ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	—
Toluene ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	11
Total Xylenes ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	—
Total BTEX	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MTBE ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	—
DIPE ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	NS	—
EDB ¹	NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA	NA	NA	BQL	BQL	NS	BQL	BQL	NS	—
Method 601 ²	NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA	NA	NA	BQL	BQL	NS	BQL	BQL	NS	—
Lead ³	NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA	NA	NA	BQL	BQL	NS	BQL	BQL	NS	25
Chloride ⁴	840	72.2	156	27	16	39.8	41.1	15.1	64.1	49.8	79.2	248	39	26.4	NS	39.9	55.9	NS	250

Compound/ Analysis	S-3 (lower)																	State Standard	
	10/31/88 ⁵	10/11/96 ⁶	2/18/98 ⁶	6/12/03 ⁷	10/8/03 ⁷	1/8/04 ⁷	4/7/04 ⁷	7/20/04 ⁷	12/15/04 ⁷	3/24/05 ⁷	8/23/05 ⁷	12/01/05 ⁷	3/08/06 ⁷	6/20/06 ⁷	10/12/06 ⁷	1/3/07 ⁷	3/22/07 ⁷	7/18/07 ⁷	
Benzene ^c	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	1.19
Ethylbenzene ^c	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	---
Toluene ^c	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	11
Total Xylenes ^c	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	---
Total BTEX	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MTBE ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	---
DIBE ¹	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	---
EDB ¹	NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA	NA	NA	BQL	BQL	BQL	BQL	BQL	NS	---
Method 601 ²	NA	BQL	NA	BQL	NA	NA	NA	NA	NA	NA	NA	NA	BQL	BQL	BQL	BQL	BQL	NS	---
Lead ³	NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA	NA	NA	BQL	BQL	BQL	BQL	BQL	NS	25
Chloride ⁴	700	295	54.7	29	32	53.4	53.1	97.1	105	51.2	35.6	140	61	75.8	25.9	79.8	70.9	NS	250

Notes:

All results in parts per billion (ppb), except chloride which is presented in parts per million (ppm)

Concentrations which exceed the 2B Surface Water Quality Standards are bold

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NA- Not analyzed for this compound

BQL- Below the quantitation limit of the method of analysis

MTBE - Methyl-tert-butyl-ether

IPE - Isopropyl Ether

¹ EPA Method 602 with a detection limit of 1 to 2 ppb

² EPA Method 601 with a detection limit of 1 to 5 ppb

³ EPA Method 239.1 with a detection limit of 5 ppb

⁴ EPA Method SM4500C with a detection limit of 0.10 ppm

⁵ Sample collected by Westinghouse Environmental

⁶ Sample collected by BPA Environmental & Engineering, Inc.

⁷ Sample collected by Trigon Engineering Consultants, Inc.

⁸ EPA Method 504.1 with a detection of 0.02 ppb

TABLE 7: SUMMARY OF MONITORING WELL AND GROUNDWATER ELEVATION DATA

TABLE 7: SUMMARY OF MONITORING WELL AND GROUNDWATER ELEVATION DATA																							
Well No.	Elevation ¹ (ft)		Well Construction (ft)			Static Water Levels																	
						11/18/88 ³		2/17-19/98 ⁴		3/13/99 ⁴		5/23/99 ⁴		6/12/03 ⁶		10/8/03 ⁶		1/8/04 ⁶		4/7/04 ⁶		7/20/04 ⁶	
	Top of Casing	Top of Screen	Length of Screen	Depth of Casing ⁵	Depth of Well	Depth (ft.)	Elevation	Depth (ft.)	Elevation	Depth (ft.)	Elevation	Depth (ft.)	Elevation	Depth (ft.)	Elevation	Depth (ft.)	Elevation	Depth (ft.)	Elevation	Depth (ft.)	Elevation		
	MW-1S	842.84	845.31	5.0	NA	15	13.95	831.36	13.20	832.11	—	—	14.25	831.06	14.21	828.63	14.34	828.50	14.17	828.67	14.07	828.77	14.32
MW-1D	674.66	—	NA	11.0	72	13.11	663.00	4.70	671.41	—	—	11.05	665.06	—	—	9.30	665.36	9.43	665.23	7.96	666.70	10.74	663.92
P-1	809.32	811.84	2.40	NA	3	3.60	808.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
P-2	ND	765.00	2.4	NA	5.5	3.70	761.30	4.95	760.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—
P-3	682.98	684.89	2.4	NA	2.9	2.78	682.11	2.22	682.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RW-1	842.56	—	NA	23.8	220	—	—	130.85	712.31	147.25	695.91	>151.50	<691.66	139.20	703.36	117.99	724.57	119.08	723.48	122.22	720.34	118.11	724.45
RW-2	850.47	—	NA	38.6	401	—	—	130.40	720.58	149.62	701.36	145.50	705.48	126.25	724.22	121.88	728.59	122.75	727.72	123.47	727.00	121.79	728.68
RW-3	840.65	—	NA	52.5	340	—	—	129.50	711.47	141.25	699.72	139.55	701.42	124.14	716.51	112.86	727.79	115.78	724.87	113.32	727.33	113.04	727.61
RW-4	821.49	—	NA	20.0	301	—	—	105.20	715.10	119.11	701.19	118.25	702.05	103.34	718.15	96.11	725.38	97.46	724.03	97.81	723.68	95.66	725.83
RW-5	831.07	—	NA	29.5	303	—	—	115.35	716.63	129.10	702.88	128.35	703.63	112.26	718.81	105.87	725.20	107.55	723.52	107.22	723.85	105.78	725.29
RW-6 (PLW)	858.38	—	NA	37.7	267	137.64	721.68	137.28	722.04	151.10	708.22	150.35	708.97	132.53	725.85	126.69	731.69	128.68	729.70	129.41	728.97	127.04	731.34
RW-7	857.00	—	NA	14.1	221	—	—	134.70	722.96	145.45	712.21	145.20	712.46	130.27	726.73	124.62	732.38	126.74	730.26	127.46	729.54	125.09	731.91

Well No.	Elevation ¹ (ft)		Well Construction (ft)			Static Water Levels																	
						01/05/05 ⁶		03/24/05 ⁶		08/23/05 ⁶		12/01/05 ⁶		3/03/06 ⁶		6/20/06 ⁶		10/12/06 ⁶		1/3/07 ⁶		3/22/07 ⁶	
	Top of Casing	Top of Screen	Length of Screen	Depth of Casing ⁵	Depth of Well	Depth (ft.)	Elevation	Depth (ft.)	Elevation	Depth (ft.)	Elevation	Depth (ft.)	Elevation	Depth (ft.)	Elevation	Depth (ft.)	Elevation	Depth (ft.)	Elevation	Depth (ft.)	Elevation		
MW-1S	842.84	845.31	5.0	NA	15	14.07 ⁷	828.77	13.8	829.04	14.19	828.65	13.93	828.91	12.95	828.89	14.05	828.79	14.16	828.68	13.64	829.20	13.82	829.02
MW-1D	674.66	-	NA	11.0	72	10.02 ⁷	664.64	7.39	667.27	11.39	663.27	12.15	662.51	12.33	662.33	12.35	662.31	14.52	660.14	10.28	664.38	9.02	665.64
P-1	809.32	811.84	2.40	NA	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-2	ND	765.00	2.4	NA	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3	682.98	684.89	2.4	NA	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	842.56	-	NA	23.8	220	121.75	720.81	118.31	724.25	118.11	724.45	121.85	720.71	121.82	720.74	121.49	721.07	123.17	719.39	123.65	718.91	122.61	719.95
RW-2	850.47	-	NA	38.6	401	127.24	723.23	122.99	727.48	123.92	726.55	127.16	723.31	124.04	726.43	126.04	724.43	128.63	721.84	127.99	722.48	125.4	725.07
RW-3	840.65	-	NA	52.5	340	121.92	718.73	114.96	725.69	114.1	726.35	123.01	717.64	115.14	725.51	115.52	725.13	115.6	725.05	124.6	716.05	114.97	725.68
RW-4	821.49	-	NA	20.0	301	100.26	721.23	96.98	724.51	96.69	724.80	100.49	721.00	100.43	721.06	104.2	717.29	102.22	719.27	102.08	719.41	100.59	720.90
RW-5	831.07	-	NA	29.5	303	110.45	720.62	107.1	723.97	106.89	724.18	110.64	720.43	110.65	720.42	111.21	719.86	112.42	718.65	112.34	718.73	110.62	720.45
RW-6 (PLW)	858.38	-	NA	37.7	267	131.44	726.94	128.78	729.60	128.17	730.21	132.01	726.37	131.69	726.69	127.04	731.34	125.65	732.73	133.33	725.05	131.52	726.86
RW-7	857.00	-	NA	14.1	221	129.55	727.45	126.89	730.11	126.22	730.78	130.09	726.91	129.67	727.33	129.44	727.56	131.36	725.64	131.34	725.66	129.46	727.54

Well No.	Elevation ¹ (ft)		Well Construction (ft)			Static Water Levels	
						7/18/07 ⁶	
	Top of Casing	Top of Screen	Length of Screen	Depth of Casing ⁵	Depth of Well	Depth (ft.)	Elevation
MW-1S	842.84	845.31	5.0	NA	15	12.21	830.63
MW-1D	674.66	—	NA	11.0	72	12.77	661.89
P-1	809.32	811.84	2.40	NA	3	—	—
P-2	ND	765.00	2.4	NA	5.5	—	—
P-3	682.98	684.89	2.4	NA	2.9	—	—
RW-1	842.56	—	NA	23.8	220	121.75	720.81
RW-2	850.47	—	NA	38.6	401	125.12	725.35
RW-3	840.65	—	NA	52.5	340	126.67	713.98
RW-4	821.49	—	NA	20.0	301	100.09	721.40
RW-5	831.07	—	NA	29.5	303	110.30	720.77
RW-6 (PLW)	858.38	—	NA	37.7	267	130.95	727.43
RW-7	857.00	—	NA	14.1	221	129.25	727.75

— Depth to Groundwater Not Measured

¹Elevations surveyed from USGS Benchmark by Concord Engineering & Surveying.

²Static water levels measured from the top of casing.

³Water levels measured by Westinghouse Environmental Services.

⁴Water levels measured by BPA Environmental & Engineering, Inc.

⁵Bedrock Well - Open hole from this depth down. Depth of casing determined from geophysical logging.

⁶Water levels measured by Trigon Engineering Consultants, Inc.

⁷MW-1D and MW-1S water level measured 12/15/04

NA - Not applicable

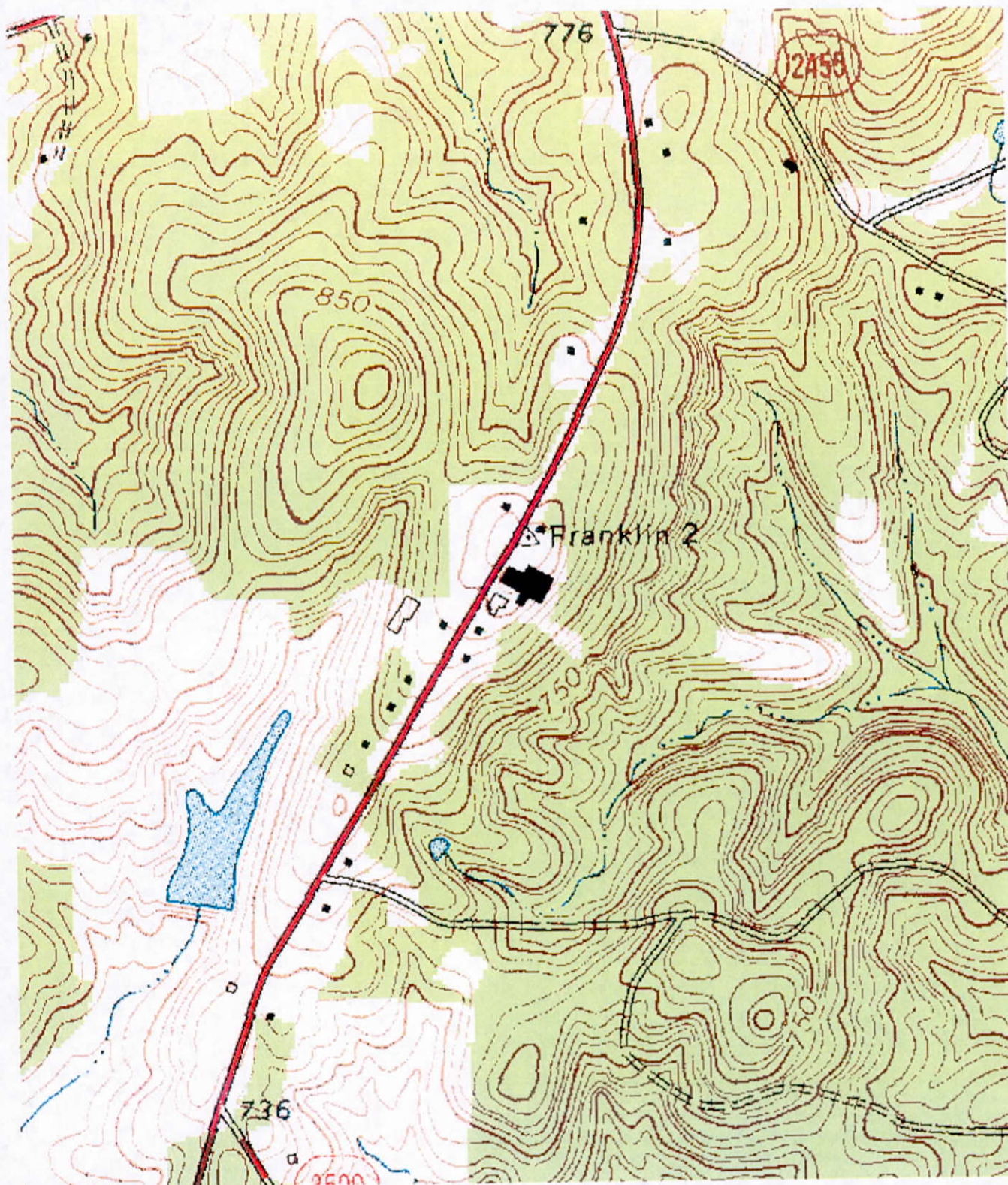
MW - Monitoring well

P - Piezometer

RW - Recovery Well

PLW - Also referred as the Parking Lot Well

FIGURES



Trigon Engineering Consultants, Inc.
313 Gallimore Dairy Road
Greensboro, North Carolina 27409

SCALE:
1"=1000'

DATE:
8/13/07

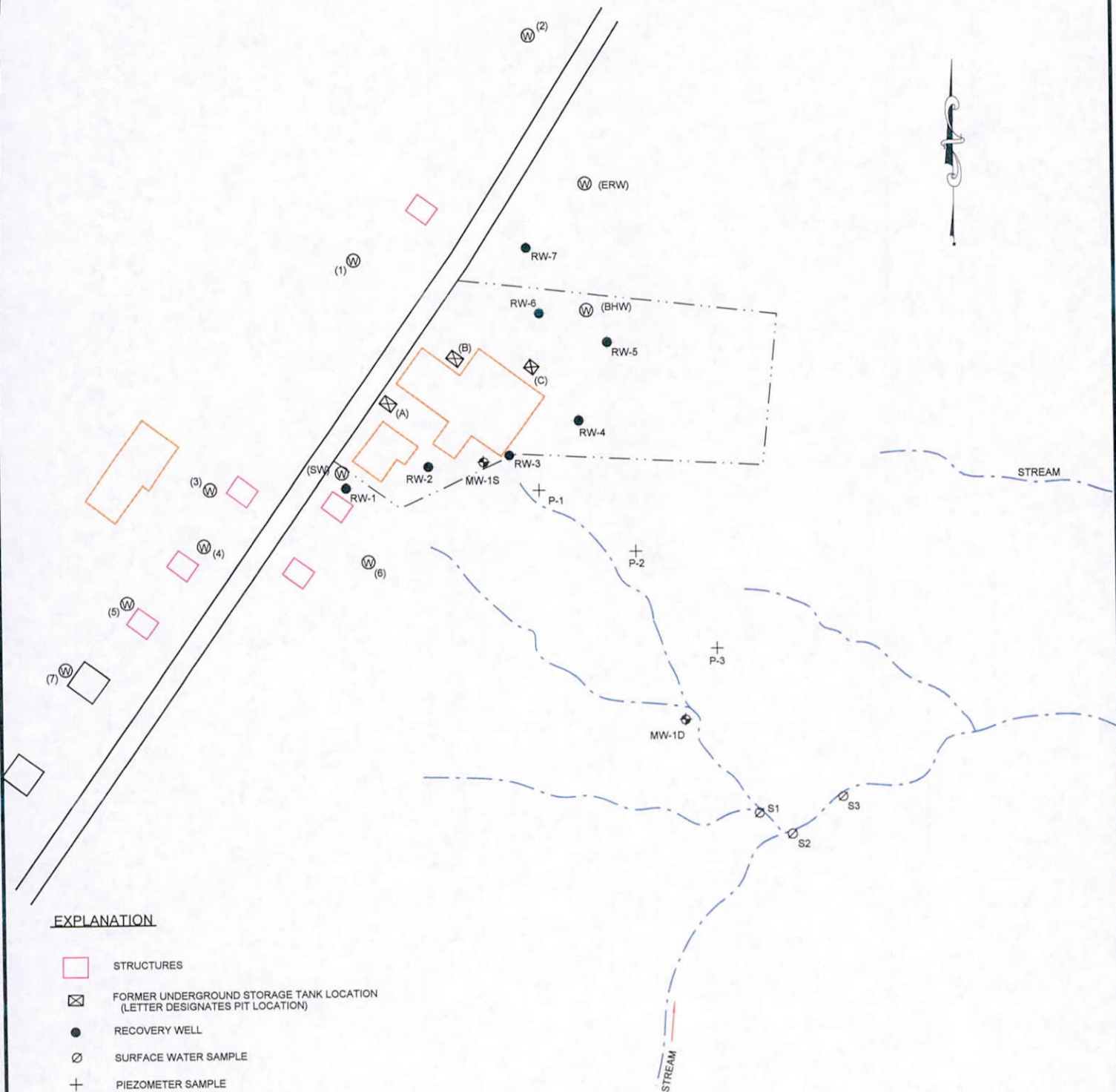
APPROVED
BY: *[Signature]*

SOURCE: 1974 USGS TOPOGRAPHIC MAP, GRAYS
CHAPEL QUADRANGLE

HANCOCK COUNTRY HAMS
3484 NC HIGHWAY 22
FRANKLINVILLE, NORTH CAROLINA
TRIGON PROJECT NO. 042-07-064

SITE LOCATION MAP

FIGURE
1



EXPLANATION

- STRUCTURES
- FORMER UNDERGROUND STORAGE TANK LOCATION
(LETTER DESIGNATES PIT LOCATION)
- RECOVERY WELL
- SURFACE WATER SAMPLE
- PIEZOMETER SAMPLE
- MONITORING WELL
- DOMESTIC WATER SUPPLY WELL - (NUMBER FOR IDENTIFICATION PURPOSE ONLY)
- ERW - ED RHODES WELL
- BHW - BLOCK HOUSE WELL - (ABANDONED)
- SW - SOUTH WELL



SITE MAP

HANCOCK COUNTRY HAMS
FRANKLINVILLE, NORTH CAROLINA

DRAWN BY: DRK

DATE: 8/13/07

APPROVED BY

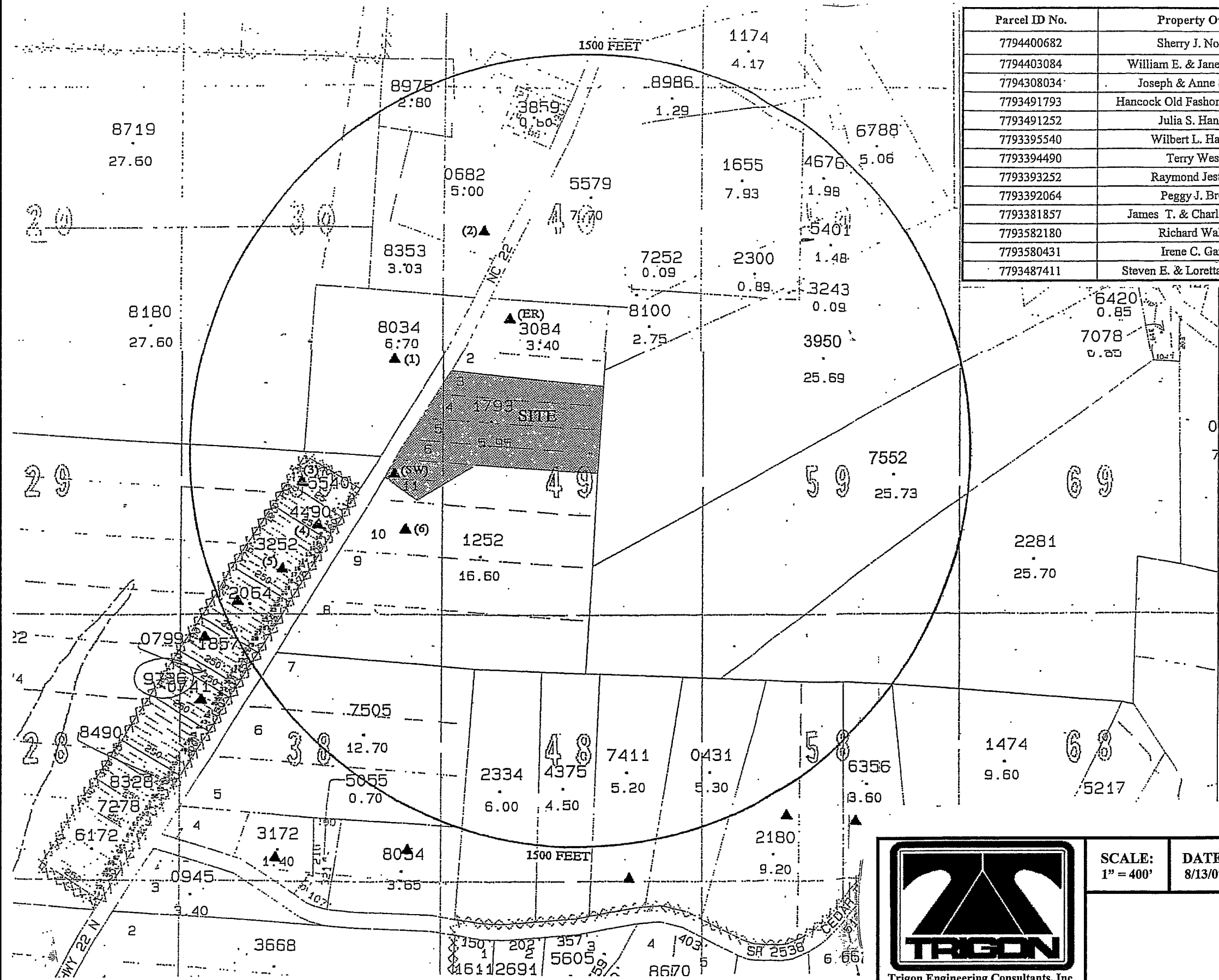
CDN

Project No. 042-07-064

HORIZONTAL: 1" = 300'

FIGURE 2

8/14/97



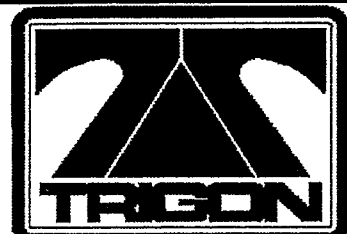
Parcel ID No.	Property Owner	Property Address
7794400682	Sherry J. Norman	3575 NC Hwy 22N, Franklinville, NC 27248
7794403084	William E. & Jane P. Rhodes	3520 NC Hwy 22 N., Franklinville, NC 27248
7794308034	Joseph & Anne Sue Beal	3511 NC Hwy 22 N., Franklinville, NC 27248
7793491793	Hancock Old Fashion CTRY Ham	3482 NC Hwy 22N., Franklinville, NC 27248
7793491252	Julia S. Hancock	3456 NC Hwy 22 N., Franklinville, NC 27248
7793395540	Wilbert L. Hancock	1716 Academy Rd. Ext., Franklinville, NC 27248
7793394490	Terry Wesley	P. O. Box 1300, Ramseur, NC 27316
7793393252	Raymond Jester, Jr.	3419 NC Hwy 22 N., Franklinville, NC 27248
7793392064	Peggy J. Brown	3399 NC Hwy 22N., Franklinville, NC 27248
7793381857	James T. & Charlotte Kivett	3367 NC Hwy 22 N., Franklinville, NC 27248
7793582180	Richard Wallace	3519 Cedar Forest Rd, Franklinville, Nc 27248
7793580431	Irene C. Garrett	3521 Cedar Forest Rd, Franklinville, NC 27248
7793487411	Steven E. & Loretta Thompson	3505 Cedar Forest Rd, Franklinville, NC 27248

EXPLANATION:

- ▲ WATER SUPPLY WELL
- (1) SAMPLE IDENTIFICATION NUMBER
- 6 LOT IDENTIFICATION NUMBER

NOTE: WATER SUPPLY WELL LOCATIONS ARE APPROXIMATE.

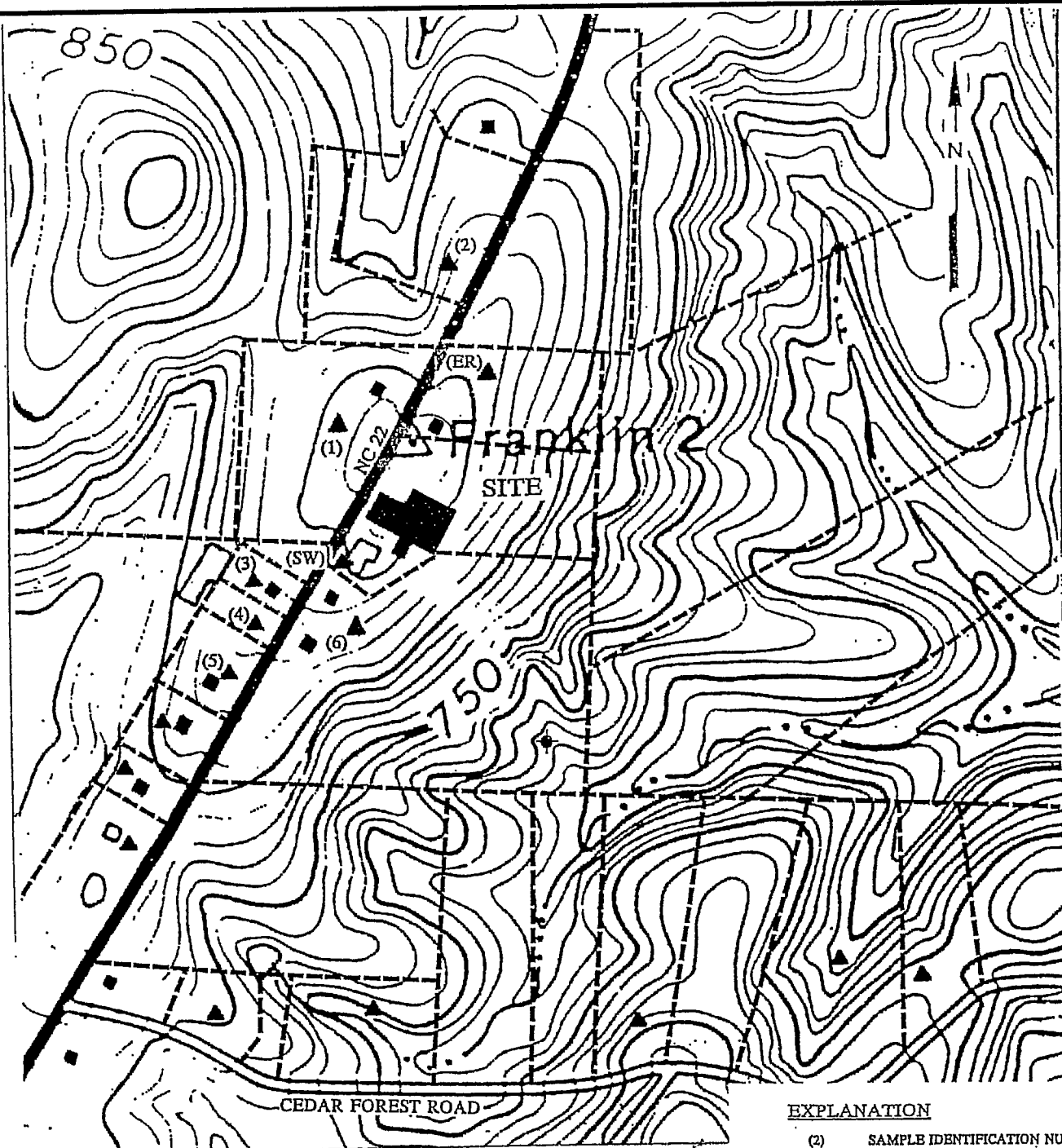
FIGURE FROM RANDOLPH COUNTY, NORTH CAROLINA 1996 PROPERTY MAP, SHEETS 7793 AND 7794



Trigon Engineering Consultants, Inc.
313 Gallimore Dairy Road
Greensboro, North Carolina 27409

SCALE: 1" = 400'	DATE: 8/13/07	APPROVED BY: CDN	SOURCE: BPA ENVIRONMENTAL & ENGINEERING, INC. MARCH 23, 1998 REPORT
---------------------	------------------	---------------------	---

HANCOCK COUNTRY HAMS FRANKLINVILLE, NORTH CAROLINA TRIGON PROJECT NO. 042-07-064	
WATER SUPPLY WELLS WITHIN 1500 FEET OF THE SITE	FIGURE 3



EXPLANATION

- (2) SAMPLE IDENTIFICATION NUMBER
- ▲ DOMESTIC WATER SUPPLY WELL
- APPROXIMATE PROPERTY BOUNDARY
- 750 - TOPOGRAPHIC CONTOUR LINE
- - - - - STREAM
- + MONITORING WELL



Trigon Engineering Consultants, Inc.
313 Gallimore Dairy Road
Greensboro, North Carolina 27409

SCALE:
1" = 500

DATE:
8/13/07

APPROVED
BY: *CDW*

SOURCE: 1974 USGS TOPOGRAPHIC MAP, GRAYS
CHAPEL QUADRANGLE

HANCOCK COUNTRY HAMS
3484 NC HIGHWAY 22
FRANKLINVILLE, NORTH CAROLINA
TRIGON PROJECT NO. 042-07-064

Topographic Relationship of Water Well to the Site

FIGURE
4

FIGURE 5
CONCENTRATION OF BENZENE
VERSUS TIME IN RW-3

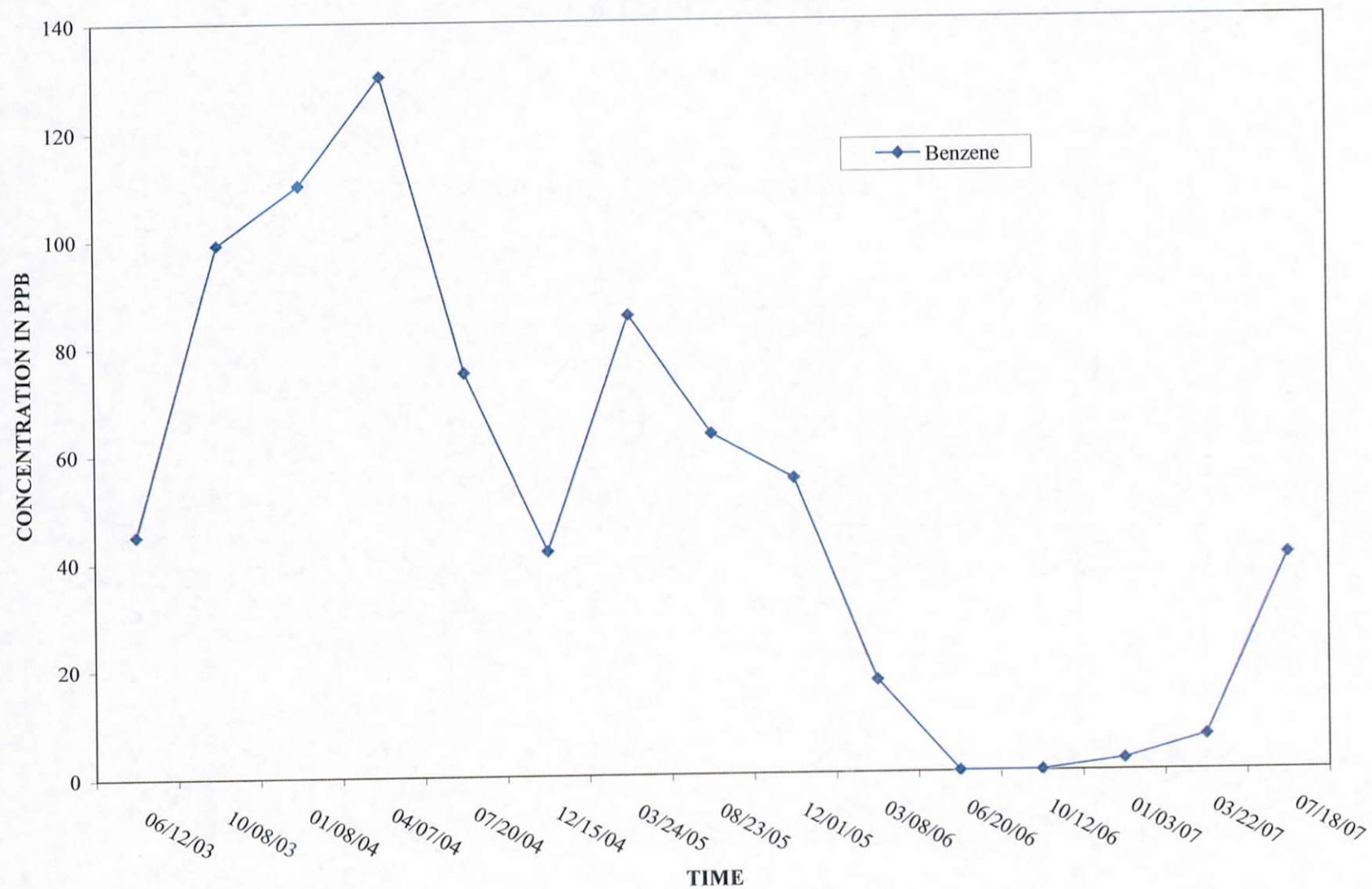


FIGURE 6
CONCENTRATION OF BENZENE
VERSUS TIME IN RW-6 (PLW)

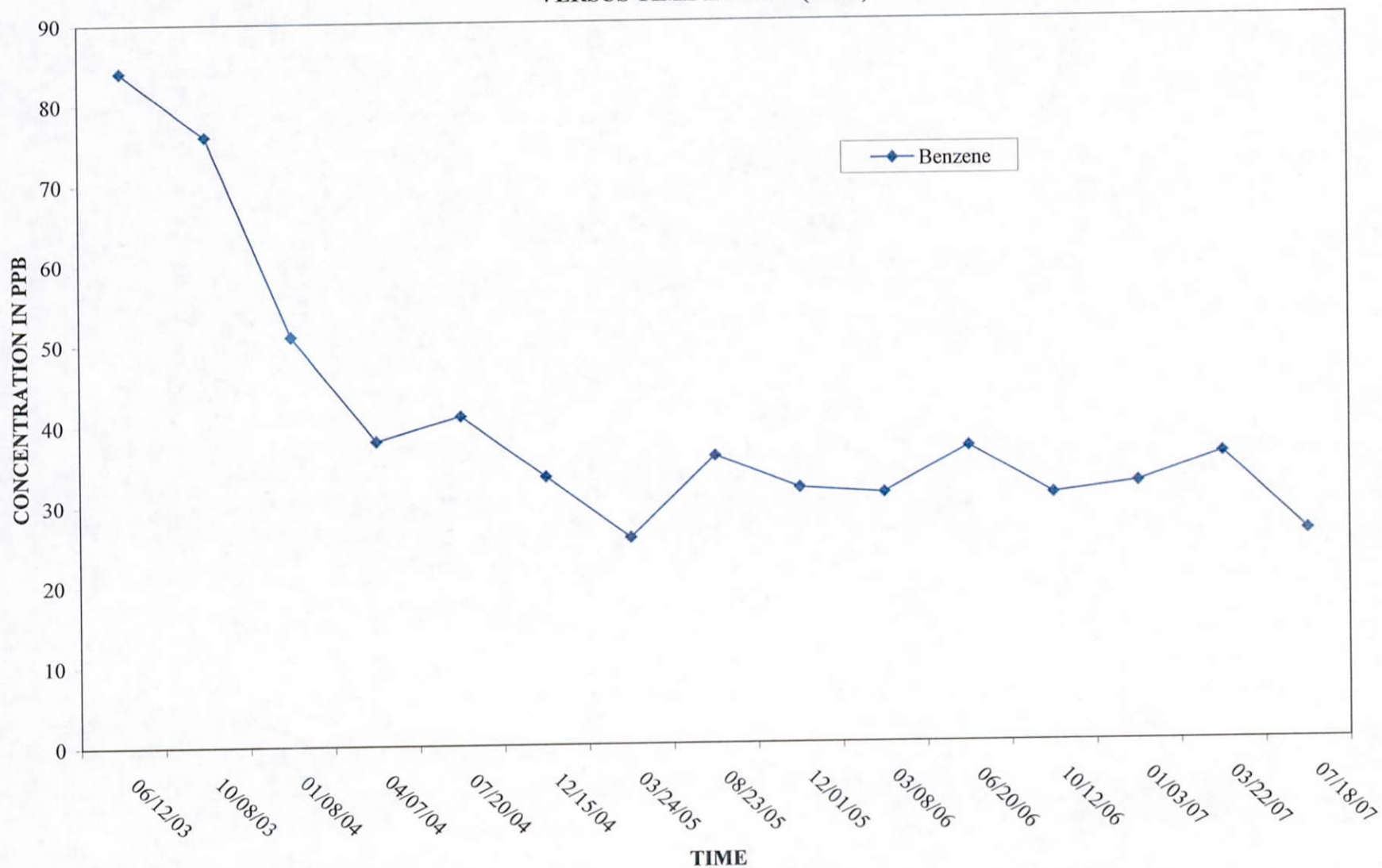


FIGURE 7
CONCENTRATION OF BENZENE, ETHYLBENZENE,
TOLUENE, AND TOTAL XYLENES
VERSUS TIME IN RW-7

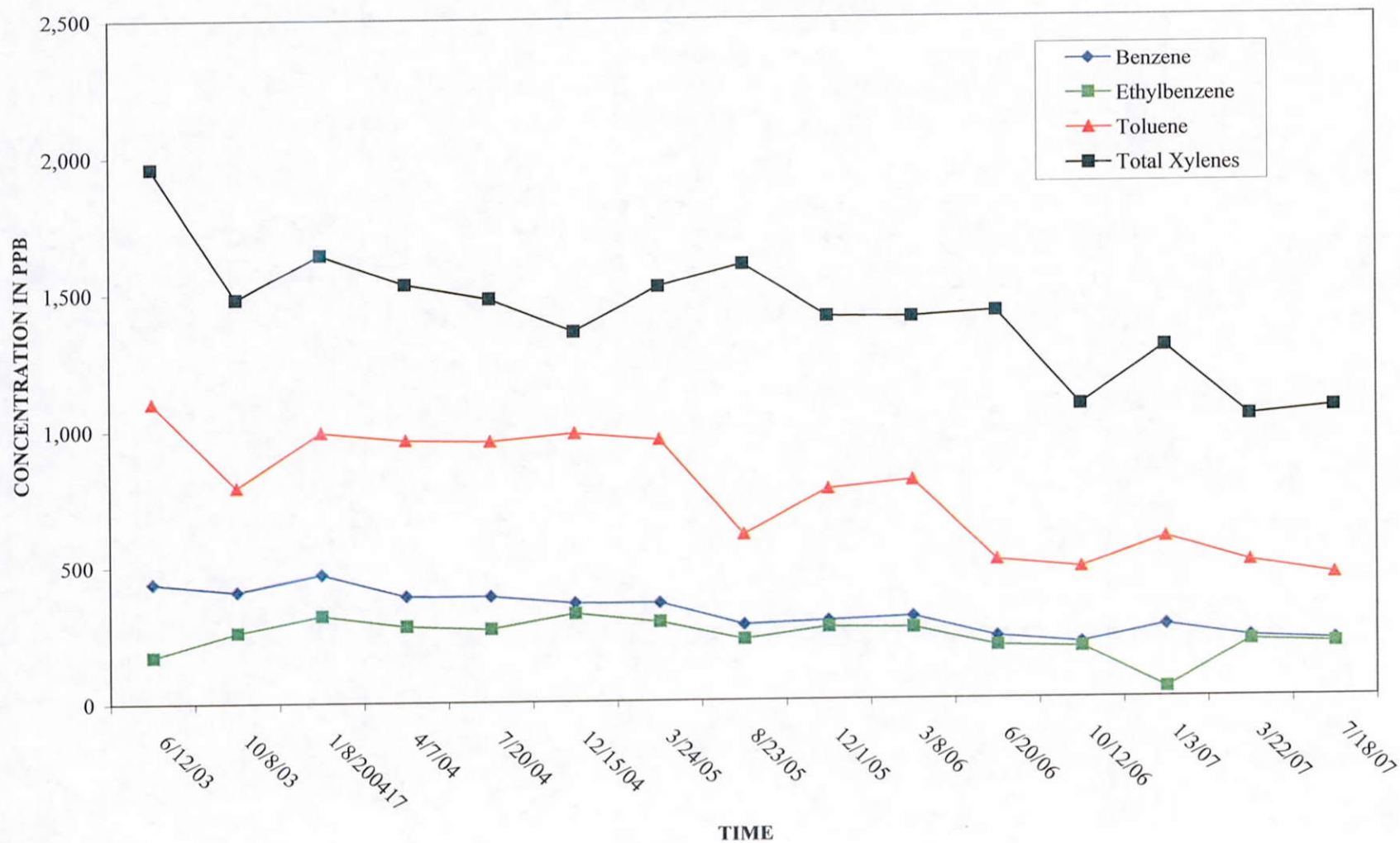


FIGURE 8
CONCENTRATION OF BENZENE
VERSUS TIME IN THE SOUTH WELL (SW)

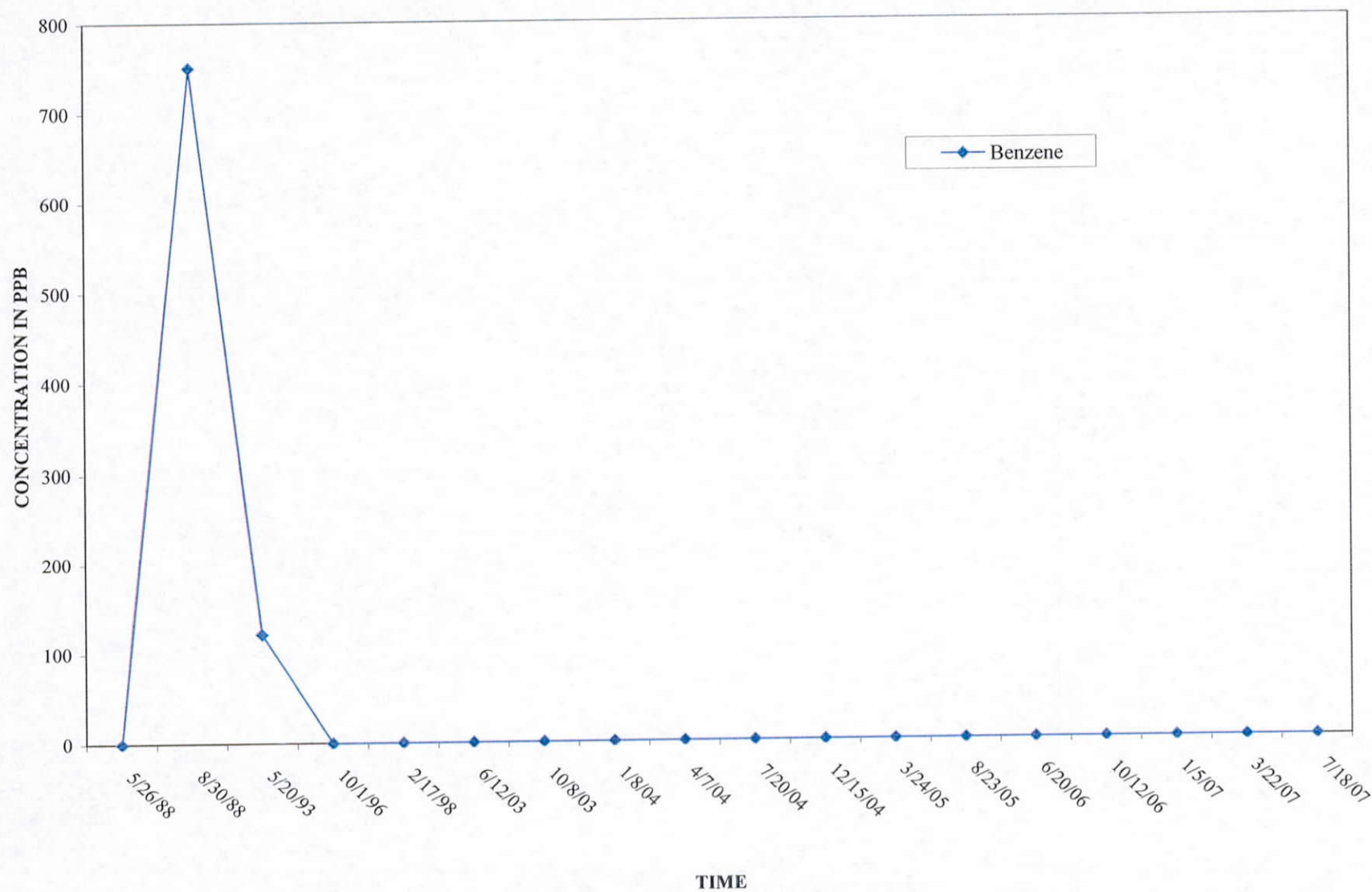


FIGURE 9
CONCENTRATION OF BENZENE
VERSUS TIME IN THE ED RHODES WELL (ERW)

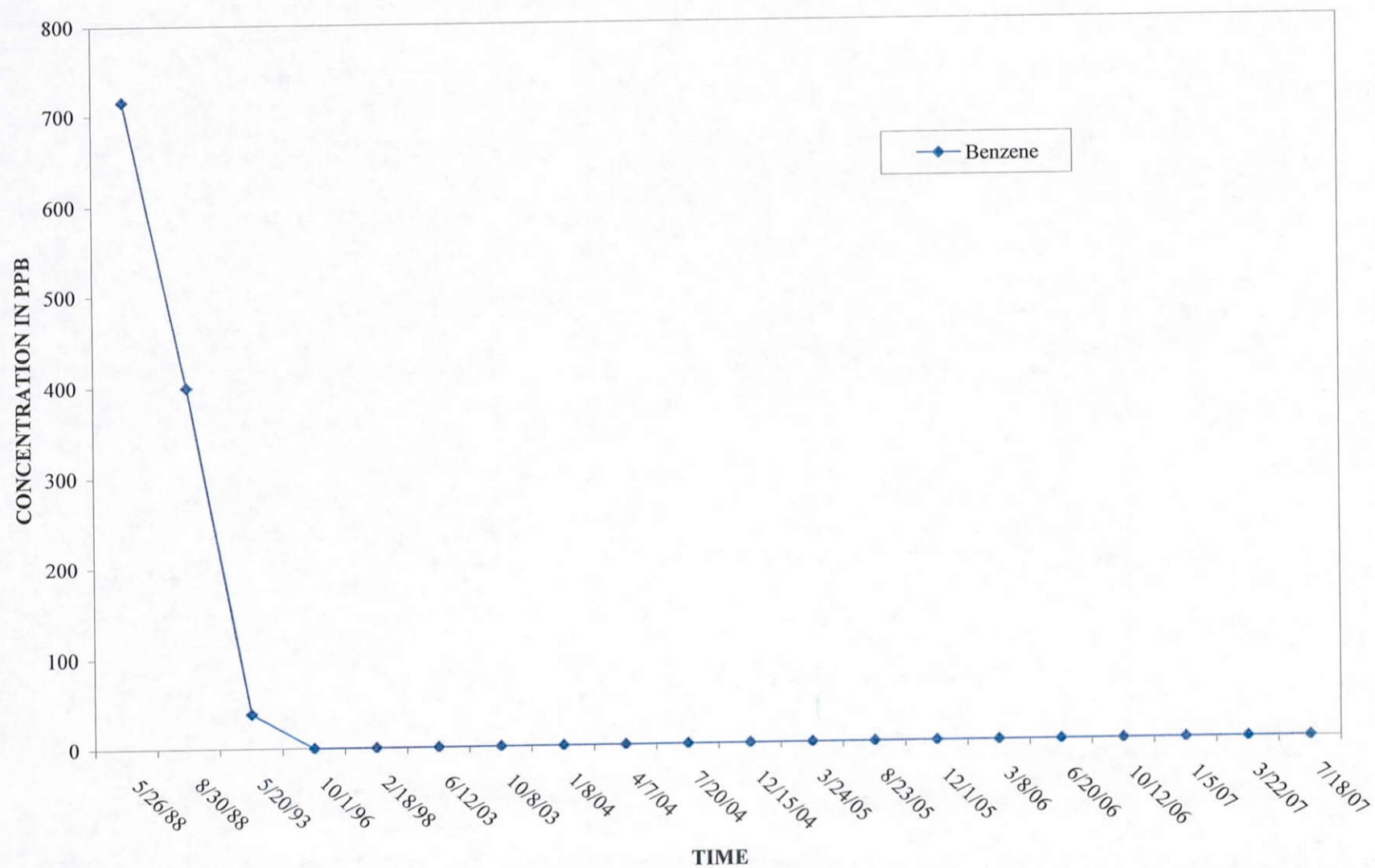
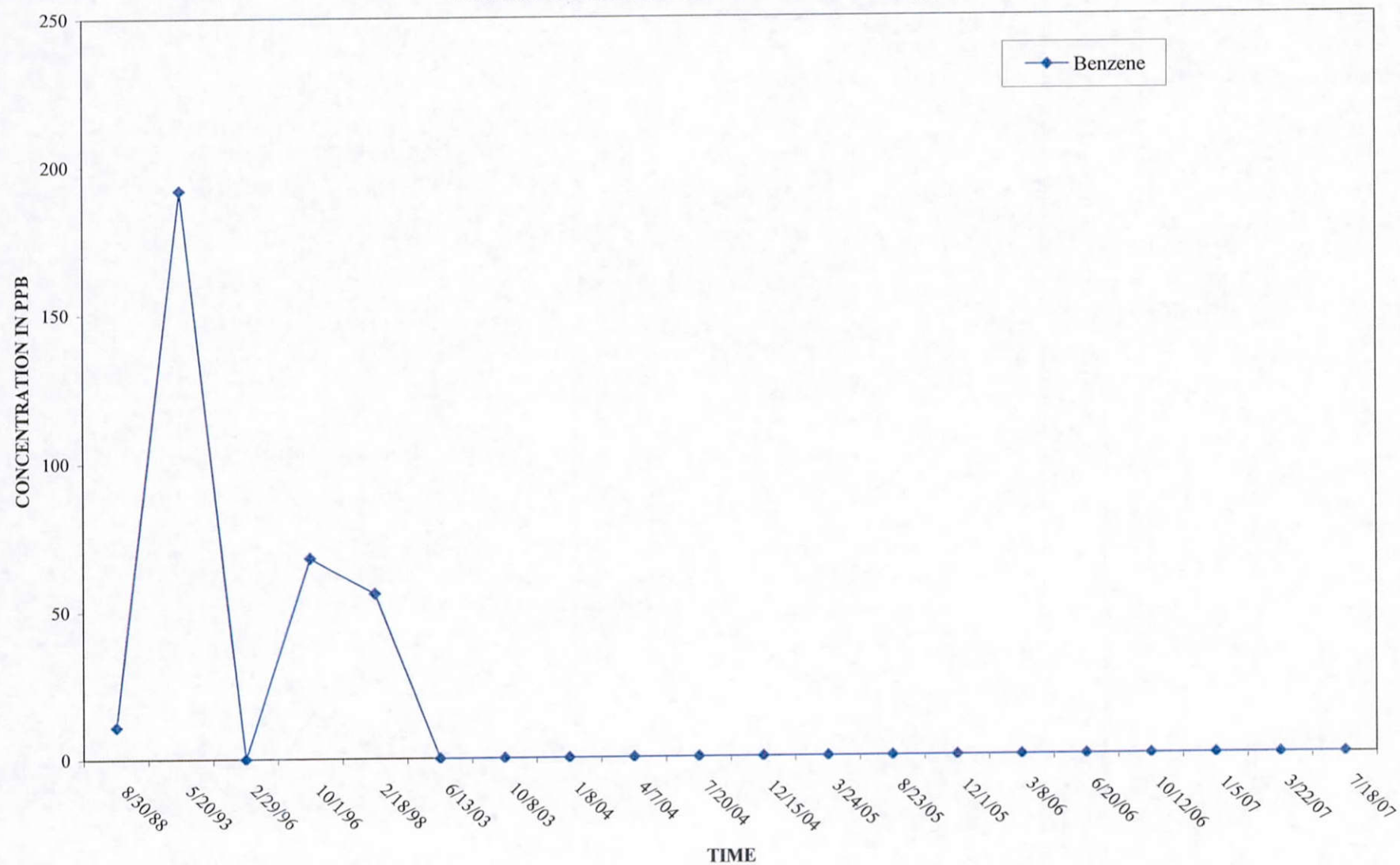
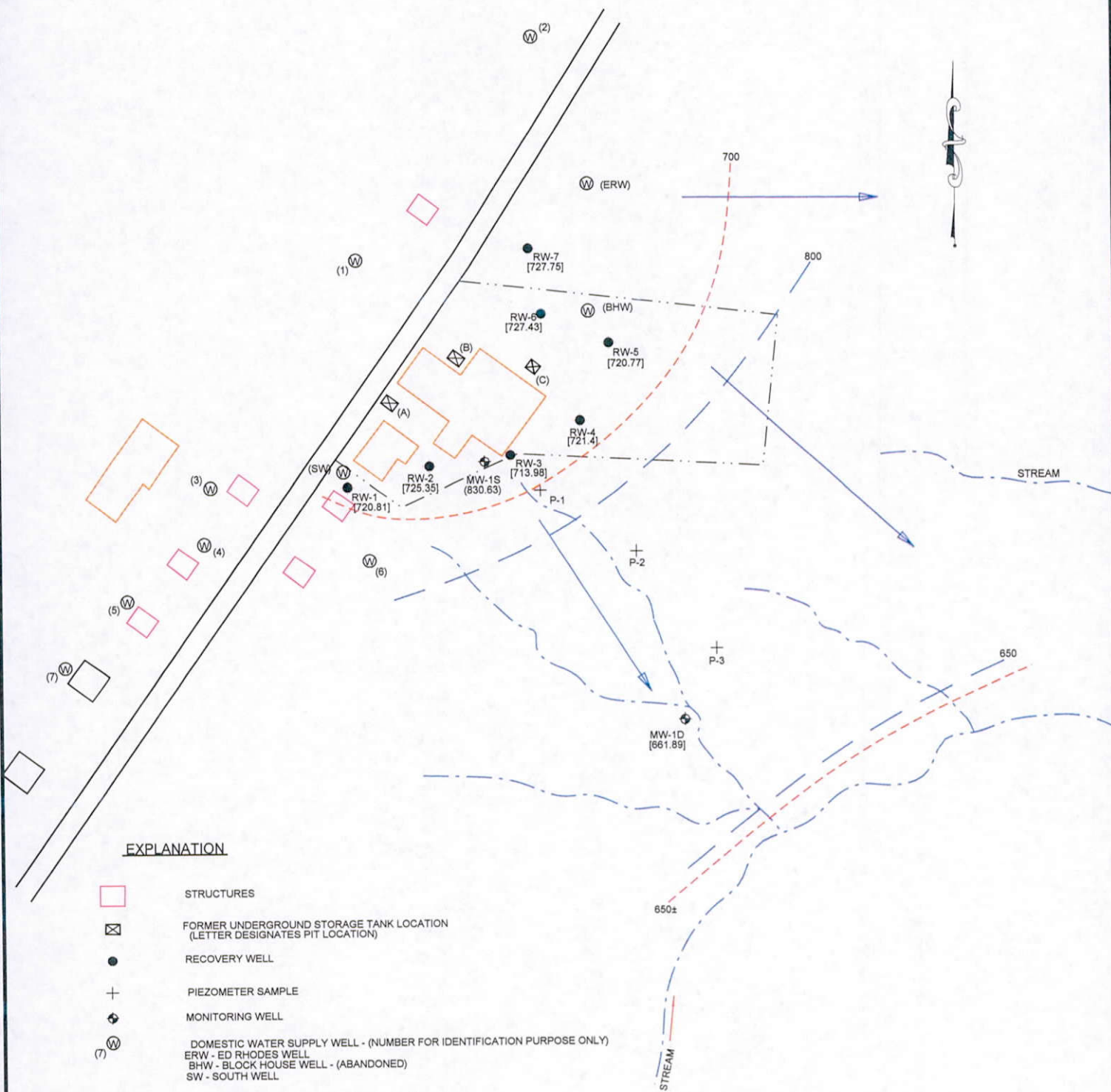


FIGURE 10
CONCENTRATION OF BENZENE
VERSUS TIME IN JACK HANCOCK WELL (6)





EXPLANATION



STRUCTURES



FORMER UNDERGROUND STORAGE TANK LOCATION
(LETTER DESIGNATES PIT LOCATION)



RECOVERY WELL



PIEZOMETER SAMPLE



MONITORING WELL



DOMESTIC WATER SUPPLY WELL - (NUMBER FOR IDENTIFICATION PURPOSE ONLY)
ERW - ED RHODES WELL
BHW - BLOCK HOUSE WELL - (ABANDONED)
SW - SOUTH WELL

[665.06]

STATIC WATER TABLE ELEVATION- BEDROCK

[682.67]

STATIC WATER TABLE ELEVATION- RESIDUUM



PIEZOMETRIC SURFACE SHALLOW REGOLITH AQUIFER



PIEZOMETRIC SURFACE SHALLOW BEDROCK AQUIFER



GROUNDWATER FLOW DIRECTION



ENGINEERING CONSULTANTS, INC.
GREENSBORO, NORTH CAROLINA

GROUNDWATER FLOW MAP JULY 18, 2007

HANCOCK COUNTRY HAMS
FRANKLINVILLE, NORTH CAROLINA

DRAWN BY: DRK

DATE: 8/13/07

APPROVED BY

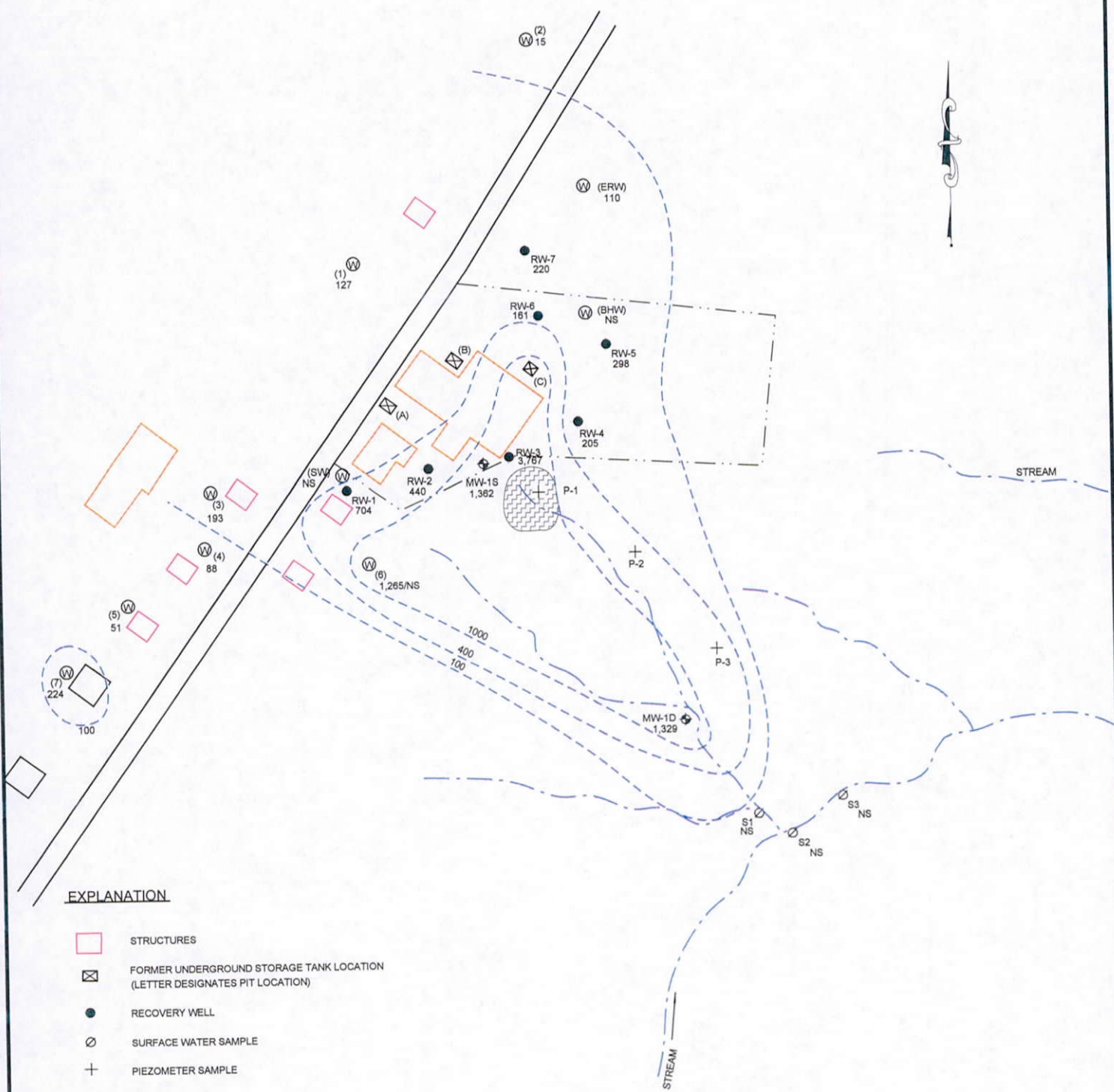
CDN

Project No. 042-07-064

HORIZONTAL: 1" = 300'

FIGURE 11

8/14/97



EXPLANATION

- STRUCTURES
- FORMER UNDERGROUND STORAGE TANK LOCATION (LETTER DESIGNATES PIT LOCATION)
- RECOVERY WELL
- SURFACE WATER SAMPLE
- + PIEZOMETER SAMPLE
- ⊕ MONITORING WELL
- DOMESTIC WATER SUPPLY WELL - (NUMBER FOR IDENTIFICATION PURPOSE ONLY)
- ERW - ED RHODES WELL
- BHW - BLOCK HOUSE WELL - (ABANDONED)
- SW - SOUTH WELL

----- CHLORIDE ISOCONCENTRATION LINE IN ppm

- 410 TOTAL CHLORIDE IN ppm
- SALT DEPOSIT AREA
- NS NOT SAMPLED

NOTE:
S1 MOVED FROM ORIGINAL POSITION BECAUSE CREEK
WAS DRY UPSTREAM OF S2. S1 COLLECTED FROM A
SPRING LOCATED UP GRADIENT OF S2



ENGINEERING CONSULTANTS, INC.
GREENSBORO, NORTH CAROLINA

CHLORIDE ISOCONCENTRATION MAP JULY 18, 2007

HANCOCK COUNTRY HAMS
FRANKLINVILLE, NORTH CAROLINA

DRAWN BY: DRK

DATE: 8/13/07

APPROVED BY

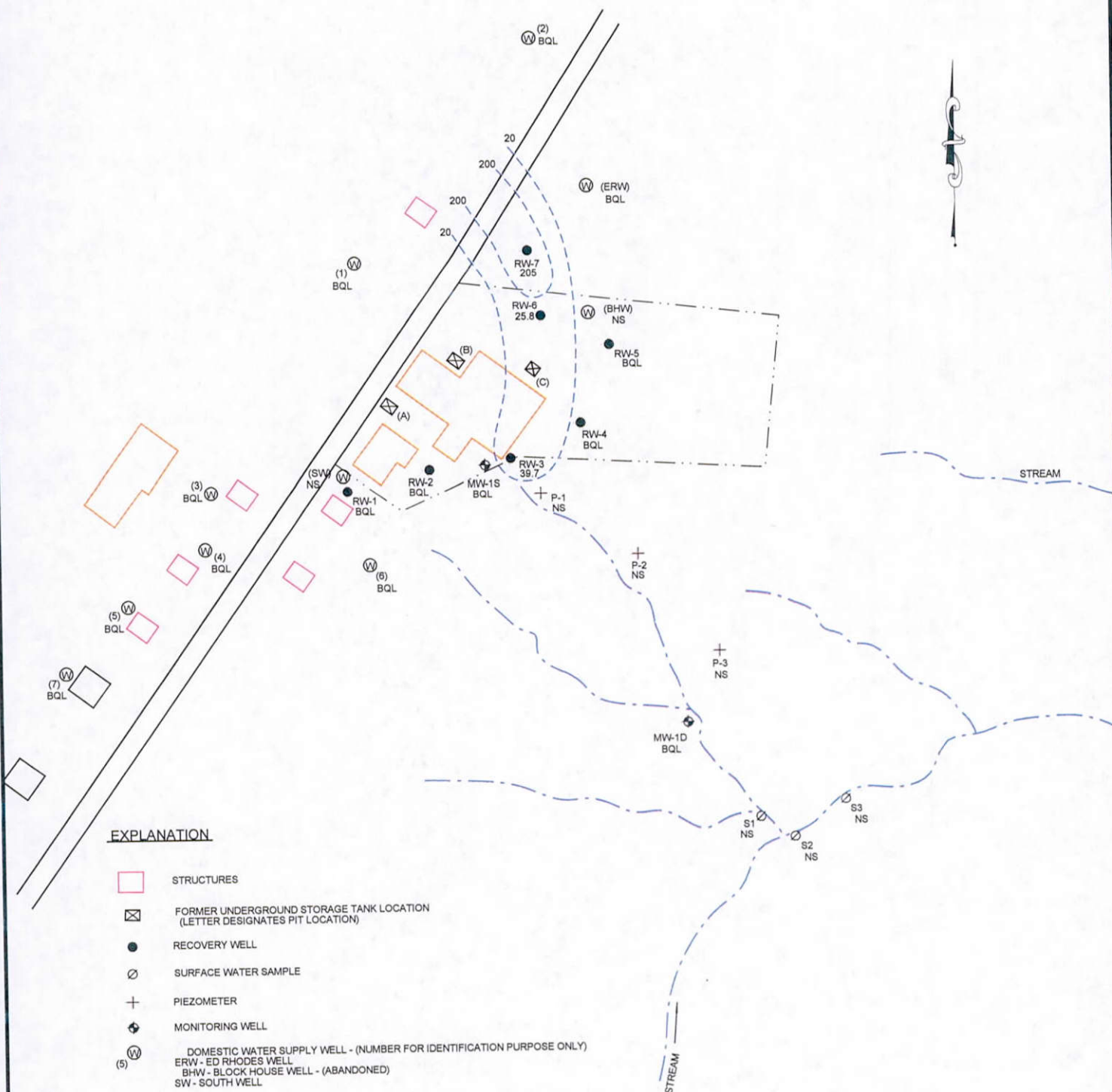
[Signature]

Project No. 042-07-064

HORIZONTAL: 1" = 300'

FIGURE 12

8/14/97



ENGINEERING CONSULTANTS, INC.
GREENSBORO, NORTH CAROLINA

BENZENE ISOCONCENTRATION MAP JULY 18, 2007

HANCOCK COUNTRY HAMS
FRANKLINVILLE, NORTH CAROLINA

DRAWN BY: DRK

DATE: 8/27/07

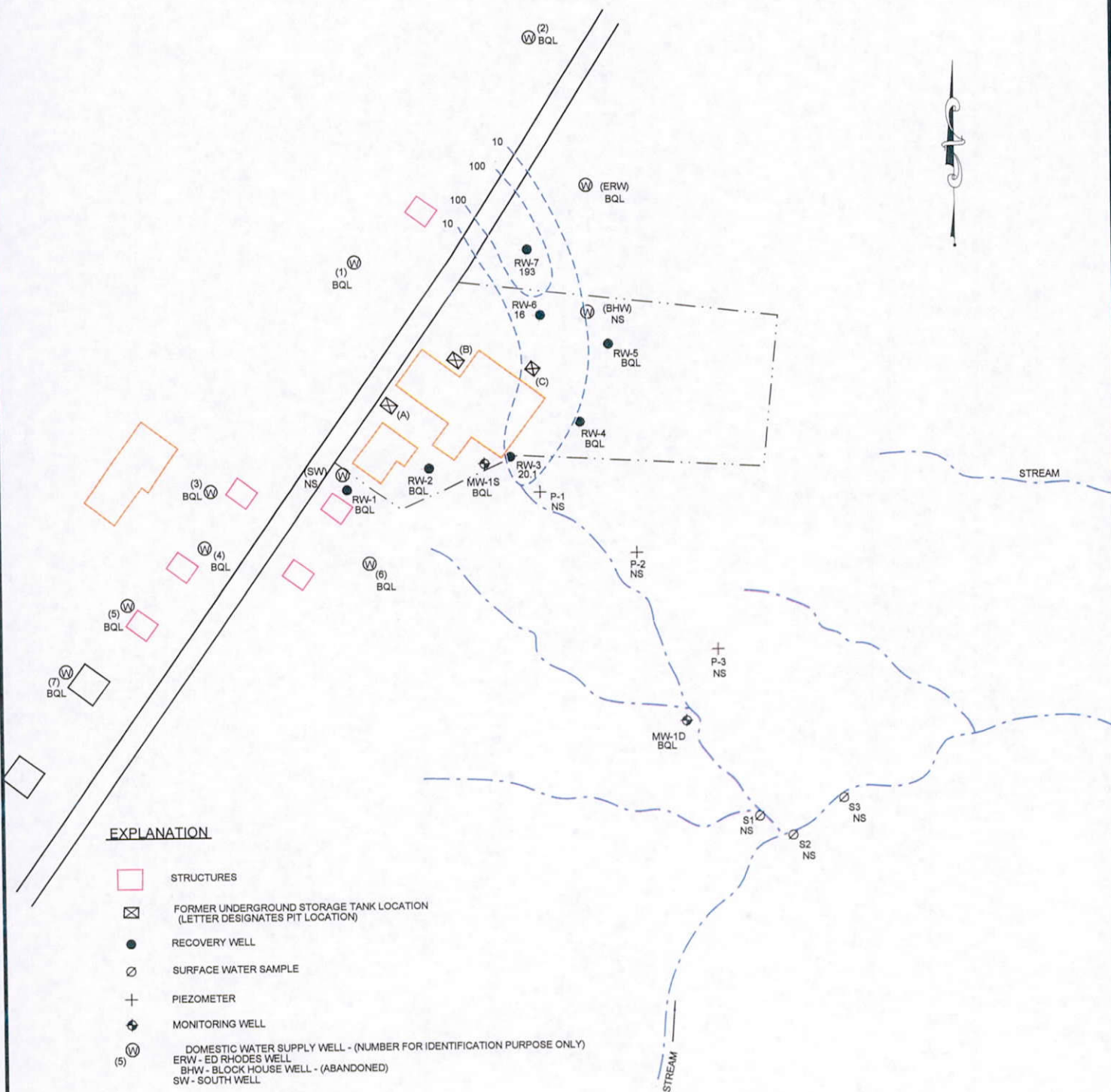
APPROVED BY

Project No. 042-07-064

HORIZONTAL: 1" = 300'

FIGURE 13

8/14/97



EXPLANATION

- STRUCTURES
- FORMER UNDERGROUND STORAGE TANK LOCATION (LETTER DESIGNATES PIT LOCATION)
- RECOVERY WELL
- SURFACE WATER SAMPLE
- PIEZOMETER
- MONITORING WELL
- DOMESTIC WATER SUPPLY WELL - (NUMBER FOR IDENTIFICATION PURPOSE ONLY)
- ERW - ED RHODES WELL
- BHW - BLOCK HOUSE WELL - (ABANDONED)
- SW - SOUTH WELL
- ETHYLBENZENE ISOCONCENTRATION LINE
- BQL BELOW QUANTITATION LIMITS
- NS NOT SAMPLED
- 1.9 ETHYLBENZENE CONCENTRATION (ppb)



ENGINEERING CONSULTANTS, INC.
GREENSBORO, NORTH CAROLINA

ETHYLBENZENE ISOCONCENTRATION MAP JULY 18, 2007

HANCOCK COUNTRY HAMS
FRANKLINVILLE, NORTH CAROLINA

DRAWN BY: DRK

DATE: 8/27/07

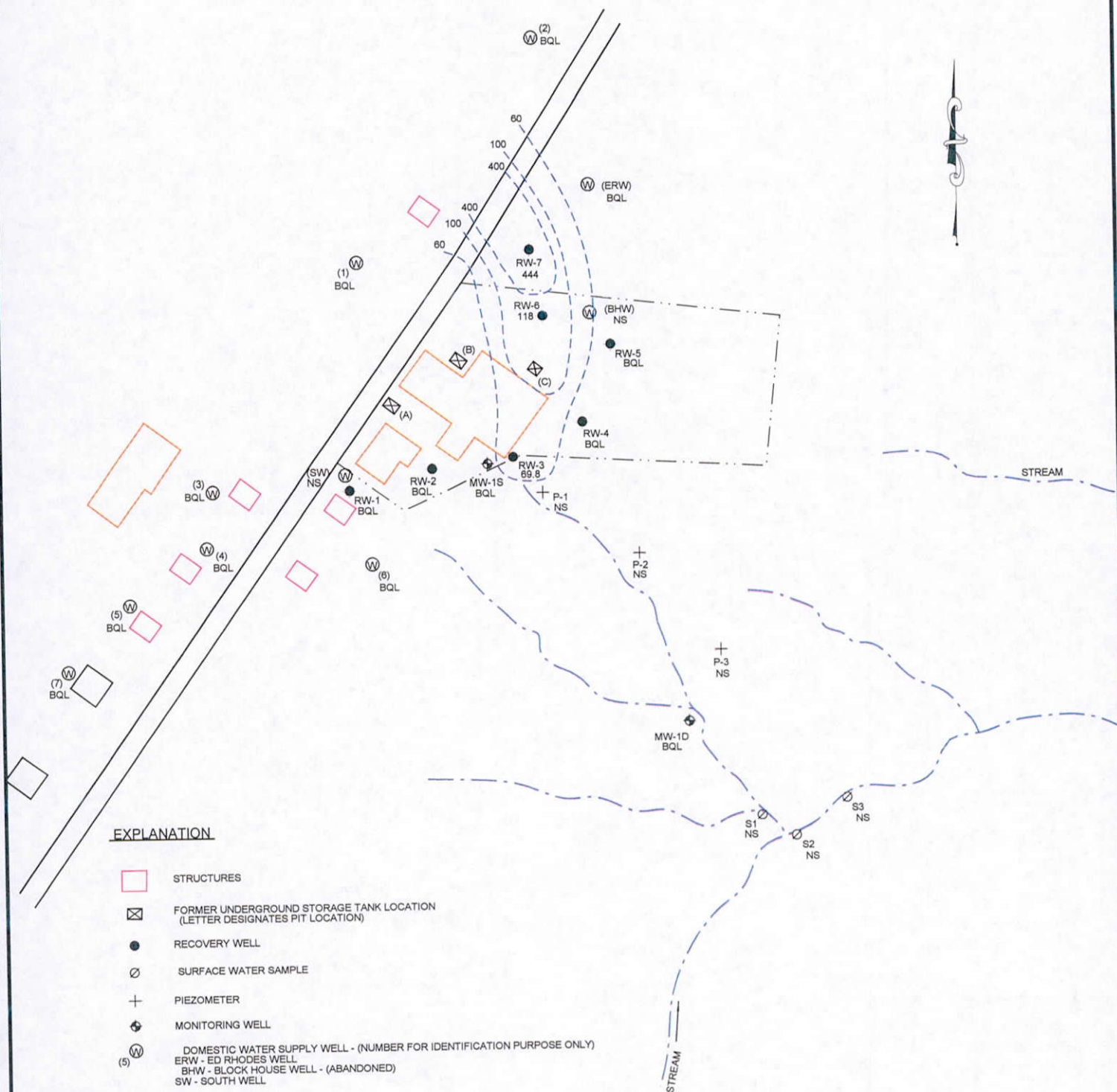
APPROVED BY

Project No. 042-07-064

HORIZONTAL: 1" = 300'

FIGURE 14

8/14/97



ENGINEERING CONSULTANTS, INC.
GREENSBORO, NORTH CAROLINA

TOLUENE ISOCONCENTRATION MAP JULY 18, 2007

HANCOCK COUNTRY HAMS
FRANKLINVILLE, NORTH CAROLINA

DRAWN BY: DRK

DATE: 8/27/07

APPROVED BY

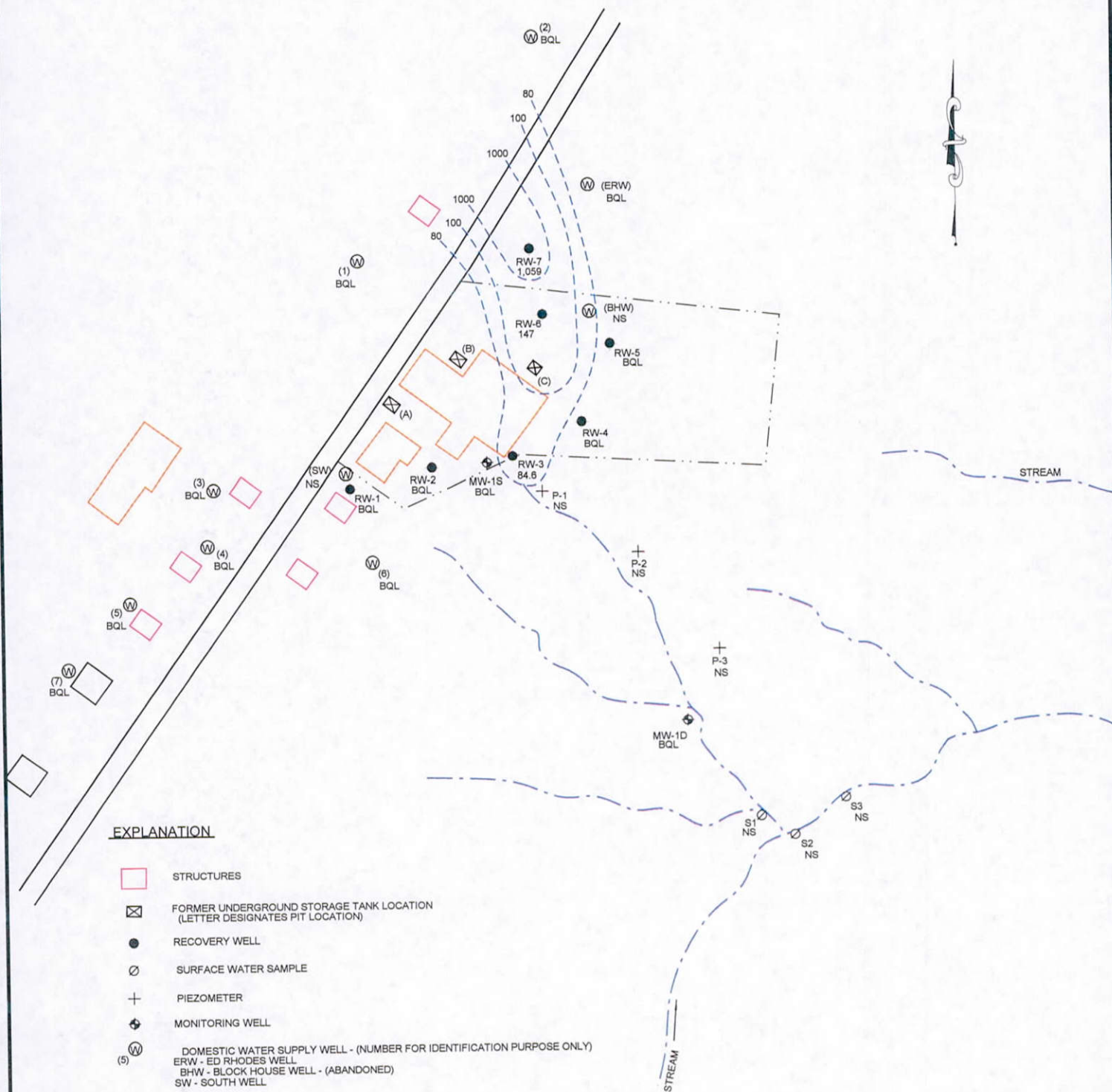
CDW

Project No. 042-07-064

HORIZONTAL: 1" = 300'

FIGURE 15

8/14/97



EXPLANATION

- STRUCTURES
- FORMER UNDERGROUND STORAGE TANK LOCATION (LETTER DESIGNATES PIT LOCATION)
- RECOVERY WELL
- SURFACE WATER SAMPLE
- PIEZOMETER
- MONITORING WELL
- DOMESTIC WATER SUPPLY WELL - (NUMBER FOR IDENTIFICATION PURPOSE ONLY)
ERW - ED RHODES WELL
BHW - BLOCK HOUSE WELL - (ABANDONED)
SW - SOUTH WELL
- XYLENES ISOCONCENTRATION LINE
- BQL BELOW QUANTITATION LIMITS
- NS NOT SAMPLED
- 1.9 TOTAL XYLENES CONCENTRATION (ppb)



XYLENES ISOCONCENTRATION MAP JULY 18, 2007

HANCOCK COUNTRY HAMS
FRANKLINVILLE, NORTH CAROLINA

DRAWN BY: DRK

DATE: 8/27/07

APPROVED BY

DRK

Project No. 042-07-064

HORIZONTAL: 1" = 300'

FIGURE 16

8/14/97

APPENDIX A



North Carolina Department of Environment and Natural Resources

Michael F. Easley, Governor

William G. Ross Jr., Secretary

March 16, 2004

CERTIFIED MAIL 7002 2410 0004 4233 3012
RETURN RECEIPT REQUESTED

Norman B. Fisher
Gwaltney of Smithfield, Ltd.
P.O. Box 489
Smithfield, VA 23431

Re: Notice of Regulatory Requirements 15A NCAC 2L .0115(f) Risk-Based Assessment and
Corrective Action for Petroleum Underground Storage Tanks, Hancock County Hams, 3484
NC Highway 22 North, Franklinville, Randolph County, NC, Incident 3700, High Risk
Classification

Dear Mr. Fisher:

The UST Section of the Division of Waste Management, Winston-Salem Regional Office, has reviewed the Corrective Action Plan dated February 4, 2004 for the above-referenced incident. The UST Section staff agrees with the proposed plan and schedule with the following modifications:

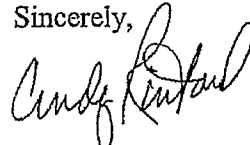
1. Water supply wells 1 through 7, SW, BHW, and ERW should also be sampled on a quarterly basis. (January, April, July, and October)
2. The monitoring reports should be submitted to the Winston-Salem Regional Office within thirty (30) days of the last day of the monitoring period.
3. Any revisions to the sampling schedule will be considered following the receipt and review of the findings from this monitoring activity.

Based on the recommendation of the UST Section staff, I hereby approve the plan and schedule. You should initiate this remedial action within thirty (30) days from the date of receipt of this notice. Please note that it is your responsibility to ensure that any waste generated during implementation of the plan is disposed of in accordance with all applicable county, state and federal laws.

Your prompt attention to the items described herein is required. Failure to comply with the State's rules in the manner and time specified may result in the assessment of civil penalties

If you have any questions regarding the actions that must be taken or the rules mentioned in this notice, please contact Stephen Williams at the letterhead address and/or at (336) 771-4600 extension 283.

Sincerely,

A handwritten signature in cursive script, appearing to read "Cindy Rintoul".

Cindy Rintoul
Regional Supervisor

cc: Mike Walker, Randolph County Health Department
WSRO_files
✓John Stewart, Trigon Engineering Consultants

APPENDIX B



TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Country Hams

Project Number: 042-07-064

GROUNDWATER SAMPLING FIELD DATA

Location: Franklinville, North Carolina

Source/Well: MW-1D

Locked: Yes ☐ No ☒

PVC ☐ Steel ☒ Stainless Steel ☐

Measuring point description: TOC

Purge Date: 7/18/2007

Purge Time: 13:30 to 14:30

Sample Date: 7/18/2007

Sample Time: 14:30

Sampled By: JWM/JCL

Water Level and Well Data

- | | |
|---|------------------|
| 1) Depth to free product from measuring point | <u>NA</u> ft. |
| 2) Depth to water from measuring point | <u>12.77</u> ft. |
| 3) Thickness of free product | <u>NA</u> ft. |
| 4) Depth to well bottom from measuring point | <u>72</u> ft. |
| 5) Height of water column (h) | <u>59.23</u> ft. |

Well Purging and Sample Collection

1) Purge Method

BAILER

2) Sample Method

Bailer

3) Volume of water in well

- ☐ 1" well . . . (v = 0.041 x h)
☐ 2" well . . . (v = 0.163 x h)
☐ 4" well . . . (v = 0.651 x h)
☒ 6" well . . . (v = 1.5 x h)

88.85 gal.

100 gal.

4) Volume of water removed prior to sampling

5) Was well purged DRY?

YES ☐ NO ☒

Field Analysis

1) Temperature

°C

2) Specific Conductance

µmhos/cm

3) pH

4) Dissolved Oxygen

5) ORP

6) Physical Appearance and Odor

7) Other



TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Country Hams

Project Number: 042-07-064

GROUNDWATER SAMPLING FIELD DATA

Location: Franklinville, North Carolina

Source/Well: MW-1S

Locked: Yes ☒ No ☐

PVC ☒ Steel ☐ Stainless Steel ☐

Measuring point description: TOC

Purge Date: 7/18/2007

Purge Time: 13:25 to 13:35

Sample Date: 7/18/2007

Sample Time: 14:00

Sampled By: JWM/JCL

Water Level and Well Data

- 1) Depth to free product from measuring point
- 2) Depth to water from measuring point
- 3) Thickness of free product
- 4) Depth to well bottom from measuring point
- 5) Height of water column (h)

NA ft.

12.21 ft.

NA ft.

13 ft.

0.79 ft.

Well Purging and Sample Collection

- 1) Purge Method
- 2) Sample Method
- 3) Volume of water in well

☐ 1" well . . . (v = 0.041 x h)

☒ 2" well . . . (v = 0.163 x h)

☐ 4" well . . . (v = 0.651 x h)

☐ 6" well . . . (v = 1.5 x h)

BAILER

Bailer

0.13 gal.

1 gal.

- 4) Volume of water removed prior to sampling

- 5) Was well purged DRY?

YES ☐ NO ☒

Field Analysis

- 1) Temperature
- 2) Specific Conductance
- 3) pH
- 4) Dissolved Oxygen
- 5) ORP
- 6) Physical Appearance and Odor
- 7) Other

°C

µmhos/cm



Project Number: 042-07-064

Sampled By: JWM/JCL

NA	ft.
121.75	ft.
NA	ft.
220	ft.
98.25	ft.

147.38 gal.
1200 gal.
 YES ☐ NO ☒

1) Temperature	_____ °C
2) Specific Conductance	_____ μmhos/cm
3) pH	_____
4) Dissolved Oxygen	_____
5) ORP	_____
6) Physical Appearance and Odor	_____
7) Other	_____



Project Number: 042-07-064

Sampled By: JWM/JCL

NA	ft.
125.12	ft.
NA	ft.
401	ft.
275.88	ft.

413.82 gal.
597 gal.
 YES ☐ NO ☒

1) Temperature	_____ °C
2) Specific Conductance	_____ μmhos/cm
3) pH	_____
4) Dissolved Oxygen	_____
5) ORP	_____
6) Physical Appearance and Odor	_____
7) Other	_____



Project Number: 042-07-064

Sampled By: JWM/JCL

NA	ft.
126.67	ft.
NA	ft.
340	ft.
213.33	ft.

4) Volume of water removed prior to sampling 320.00 gal.
870 gal.

5) Was well purged DRY? YES ☐ NO ☒

1) Temperature	_____ °C
2) Specific Conductance	_____ μmhos/cm
3) pH	_____
4) Dissolved Oxygen	_____
5) ORP	_____
6) Physical Appearance and Odor	_____
7) Other	_____



TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Country Hams

Project Number: 042-07-064

GROUNDWATER SAMPLING FIELD DATA

Location: Franklinville, North Carolina

Source/Well: RW-4

Locked: Yes ☐ No ☒

PVC ☒ Steel ☐ Stainless Steel ☐

Measuring point description: TOC

Purge Date: 7/18/2007

Purge Time: 9:30 to 14:00

Sample Date: 7/18/2007

Sample Time: 14:55

Sampled By: JWM/JCL

Water Level and Well Data

- | | |
|---|-------------------|
| 1) Depth to free product from measuring point | <u>NA</u> ft. |
| 2) Depth to water from measuring point | <u>100.09</u> ft. |
| 3) Thickness of free product | <u>NA</u> ft. |
| 4) Depth to well bottom from measuring point | <u>301</u> ft. |
| 5) Height of water column (h) | <u>200.91</u> ft. |

Well Purging and Sample Collection

1) Purge Method

SYSTEM

2) Sample Method

SYSTEM

3) Volume of water in well

☐ 1" well . . . (v = 0.041 x h)

☐ 2" well . . . (v = 0.163 x h)

☐ 4" well . . . (v = 0.651 x h)

☒ 6" well . . . (v = 1.5 x h)

301.37 gal.

1250 gal.

4) Volume of water removed prior to sampling

5) Was well purged DRY?

YES ☐ NO ☒

Field Analysis

1) Temperature

°C

2) Specific Conductance

µmhos/cm

3) pH

4) Dissolved Oxygen

5) ORP

6) Physical Appearance and Odor

7) Other



Project Number: 042-07-064

Location: Franklinville, North Carolina

Locked: Yes ☐ No ☒

PVC ☒ Steel ☐ Stainless Steel ☐Measuring point description: TOC

Purge Date: 7/18/2007

Purge Time: 9:30 to 14:00

Sample Date: 7/18/2007

Sample Time: 15:00

Sampled By: JWM/JCL

- 1) Depth to free product from measuring point
- 2) Depth to water from measuring point
- 3) Thickness of free product
- 4) Depth to well bottom from measuring point
- 5) Height of water column (h)

NA _____ ft.

110.3 ft.

NA ft.

303 ft.

192.7 ft.

- 1) Purge Method
- 2) Sample Method
- 3) Volume of water in well

SYSTEM

SYSTEM

☐ 1" well ($v = 0.041 \times h$)

2" well ($v = 0.163 \times h$)

☐ 4" well ($v = 0.651 \times h$)

☒ 6" well ($v = 1.5 \times h$)

289.05 gal.

1200 gal.

4) Volume of water removed prior to sampling

5) Was well purged DRY?

YES ☐ NO ☒

1) Temperature	_____ °C
2) Specific Conductance	_____ μmhos/cm
3) pH	_____
4) Dissolved Oxygen	_____
5) ORP	_____
6) Physical Apperance and Odor	_____
7) Other	_____



Project Number: 042-07-064

Location: Franklinville, North Carolina

Source/Well: RW-6 (PLW)

Locked: Yes ☒ No ☐

PVC ☒ Steel ☐ Stainless Steel ☐

Measuring point description: TOC

Purge Date: 7/18/2007

Purge Time: 9:30 to 14:00

Sample Date: 7/18/2007

Sample Time: 14:15

Sampled By: JWM/JCL

- 1) Depth to free product from measuring point
- 2) Depth to water from measuring point
- 3) Thickness of free product
- 4) Depth to well bottom from measuring point
- 5) Height of water column (h)

NA ft.

130.95 ft.

NA ft.

267 ft.

136.05 ft.

- 1) Purge Method
- 2) Sample Method
- 3) Volume of water in well

SYSTEM

SYSTEM

☐ 1" well ($v = 0.041 \times h$)

2" well ($v = 0.163 \times h$)

4" well (v = 0.651 x h)

☒ 6" well (v = 1.5 x h)

4) Volume of water removed prior to sampling

204.08 gal.

500 gal.

5) Was well purged DRY?

YES ☐ NO ☒

1) Temperature	_____ °C
2) Specific Conductance	_____ μmhos/cm
3) pH	_____
4) Dissolved Oxygen	_____
5) ORP	_____
6) Physical Apperance and Odor	_____
7) Other	_____



Project Number: 042-07-064

Sampled By: JWM/JCL

NA	ft.
129.25	ft.
NA	ft.
221	ft.
91.75	ft.

137.63 gal.
500 gal.
 YES ☐ NO ☒

1) Temperature	_____ °C
2) Specific Conductance	_____ μmhos/cm
3) pH	_____
4) Dissolved Oxygen	_____
5) ORP	_____
6) Physical Apperance and Odor	_____
7) Other	_____



TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Hams

Project Number: 042-07-064

WATER WELL SAMPLING FIELD DATA

Location: Franklinville, North Carolina

Source/Well: Beal (1)

Locked: Yes ☐ No ☒

PVC ☐ Steel ☒ Stainless Steel ☐

Measuring point description: NA

Purge Date: 7/18/2007

Purge Time: 16:05 to 16:10

Sample Date: 7/18/2007

Sample Time: 16:10

Sampled By: JWM/JCL

Water Level and Well Data

- | | |
|--|---------------|
| 1) Depth to water from measuring point | <u>NA</u> ft. |
| 2) Depth to well bottom from measuring point | <u>NA</u> ft. |
| 3) Height of water column (h) | <u>NA</u> ft. |
| 4) Diameter of well | <u>6</u> ft. |

Well Purging and Sample Collection

- | | |
|--|---|
| 1) Purge Method | <u>Outside spigot</u> |
| 2) Sample Method | <u>Outside spigot</u> |
| 3) Purge Time | <u>0:05</u> |
| 4) Was well purged DRY? | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |
| 5) Does water supply have a treatment system? | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |
| 6) What type of treatment system? | <u>RO</u> |
| 7) Was sample collected prior to treatment system? | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |

Field Analysis

- | | |
|---------------------------------|--------------------------------------|
| 1) Temperature | <u> </u> °C |
| 2) Specific Conductance | <u> </u> µmhos/cm |
| 3) pH | <u> </u> |
| 4) Dissolved Oxygen | <u> </u> |
| 5) ORP | <u> </u> |
| 6) Physical Appearance and Odor | <u> </u> Clear |
| 7) Comments | <u> </u> |



Project Number: 042-07-064

Location: Franklinville, North Carolina
Source/Well: Norman (2)
Locked: Yes ☐ No ☒
PVC ☐ Steel ☒ Stainless Steel ☐
Measuring point description: NA

Purge Date: 7/18/2007
Purge Time: 15:55 to 16:00
Sample Date: 7/18/2007
Sample Time: 16:00
Sampled By: JWM/JCL

- 1) Depth to water from measuring point
- 2) Depth to well bottom from measuring point
- 3) Height of water column (h)
- 4) Diameter of well

NA	ft.
NA	ft.
NA	ft.
6	ft.

- 1) Purge Method
- 2) Sample Method
- 3) Purge Time
- 4) Was well purged DRY?
- 5) Does water supply have a treatment system?
- 6) What type of treatment system?
- 7) Was sample collected prior to treatment system?

		Outside spigot	
		Outside spigot	
		0:05	
YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
RO			
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>

- 1) Temperature
- 2) Specific Conductance
- 3) pH
- 4) Dissolved Oxygen
- 5) ORP
- 6) Physical Appearance and Odor
- 7) Comments

_____ °C
_____ μmhos/cm

Clear



Project Number: 042-07-064

Location: Franklinville, North Carolina
Source/Well: Gibson (3)
Locked: Yes ☒ No ☐
PVC ☐ Steel ☒ Stainless Steel ☐
Measuring point description: NA

Purge Date: 7/18/2007
Purge Time: 16:15 to 16:20
Sample Date: 7/18/2007
Sample Time: 16:20
Sampled By: JWM/JCL

- 1) Depth to water from measuring point
- 2) Depth to well bottom from measuring point
- 3) Height of water column (h)
- 4) Diameter of well

NA	ft.
NA	ft.
NA	ft.
6	ft.

- 1) Purge Method
- 2) Sample Method
- 3) Purge Time
- 4) Was well purged DRY?
- 5) Does water supply have a treatment system?
- 6) What type of treatment system?
- 7) Was sample collected prior to treatment system?

		Outside spigot	
		Outside spigot	
		0:05	
YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
RO			
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>

- 1) Temperature
- 2) Specific Conductance
- 3) pH
- 4) Dissolved Oxygen
- 5) ORP
- 6) Physical Appearance and Odor
- 7) Comments

_____ °C
_____ μmhos/cm

Clear



Project Number: 042-07-064

Location: Franklinville, North Carolina
Source/Well: Presnell (4)
Locked: Yes ☒ No ☐
PVC ☐ Steel ☒ Stainless Steel ☐
Measuring point description: NA

Purge Date: 7/18/2007
Purge Time: 16:25 to 16:30
Sample Date: 7/18/2007
Sample Time: 16:30
Sampled By: JWM/JCL

1)	Depth to water from measuring point	<u>NA</u>	ft.
2)	Depth to well bottom from measuring point	<u>NA</u>	ft.
3)	Height of water column (h)	<u>NA</u>	ft.
4)	Diameter of well	<u>6</u>	ft.

1)	Purge Method			Outside spigot
2)	Sample Method			Outside spigot
3)	Purge Time			0:05
4)	Was well purged DRY?	YES	<input type="checkbox"/>	NO <input checked="" type="checkbox"/>
5)	Does water supply have a treatment system?	YES	<input checked="" type="checkbox"/>	NO <input type="checkbox"/>
6)	What type of treatment system?	RO		
7)	Was sample collected prior to treatment system?	YES	<input checked="" type="checkbox"/>	NO <input type="checkbox"/>

1) Temperature	_____ °C
2) Specific Conductance	_____ μmhos/cm
3) pH	_____
4) Dissolved Oxygen	_____
5) ORP	_____
6) Physical Apperance and Odor	_____ Clear
7) Comments	_____



Project Number: 042-07-064

Location: Franklinville, North Carolina
Source/Well: Jester (5)
Locked: Yes ☒ No ☐
PVC ☐ Steel ☒ Stainless Steel ☐
Measuring point description: NA

Purge Date: 7/18/2007
Purge Time: 16:30 to 16:35
Sample Date: 7/18/2007
Sample Time: 16:35
Sampled By: JWM/JCL

- 1) Depth to water from measuring point
- 2) Depth to well bottom from measuring point
- 3) Height of water column (h)
- 4) Diameter of well

NA	ft.
NA	ft.
NA	ft.
6	ft.

- 1) Purge Method
- 2) Sample Method
- 3) Purge Time
- 4) Was well purged DRY?
- 5) Does water supply have a treatment system?
- 6) What type of treatment system?
- 7) Was sample collected prior to treatment system?

		Outside spigot	
		Outside spigot	
		0:05	
YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
RO			
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>

- 1) Temperature
- 2) Specific Conductance
- 3) pH
- 4) Dissolved Oxygen
- 5) ORP
- 6) Physical Appearance and Odor
- 7) Comments

_____ °C
_____ μmhos/cm

Clear



Project Number: 042-07-064

Location: Franklinville, North Carolina
Source/Well: Hancock A (6)
Locked: Yes ☒ No ☐
PVC ☐ Steel ☒ Stainless Steel ☐
Measuring point description: NA

Purge Date: 7/18/2007
Purge Time: 16:45 to 16:50
Sample Date: 7/18/2007
Sample Time: 16:50
Sampled By: JWM/JCL

- 1) Depth to water from measuring point
- 2) Depth to well bottom from measuring point
- 3) Height of water column (h)
- 4) Diameter of well

NA	ft.
NA	ft.
NA	ft.
6	ft.

- 1) Purge Method
- 2) Sample Method
- 3) Purge Time
- 4) Was well purged DRY?
- 5) Does water supply have a treatment system?
- 6) What type of treatment system?
- 7) Was sample collected prior to treatment system?

		Outside spigot	
		Outside spigot	
		0:05	
YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
Carbon and RO			
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>

- 1) Temperature
- 2) Specific Conductance
- 3) pH
- 4) Dissolved Oxygen
- 5) ORP
- 6) Physical Apperance and Odor
- 7) Comments

_____ °C

_____ μmhos/cm



Project Number: 042-07-064

Location: Franklinville, North Carolina
Source/Well: Brown (7)
Locked: Yes ☒ No ☐
PVC ☐ Steel ☒ Stainless Steel ☐
Measuring point description: NA

Purge Date: 7/18/2007
Purge Time: 16:35 to 16:40
Sample Date: 7/18/2007
Sample Time: 16:40
Sampled By: JWM/JCL

- 1) Depth to water from measuring point
- 2) Depth to well bottom from measuring point
- 3) Height of water column (h)
- 4) Diameter of well

NA	ft.
NA	ft.
NA	ft.
6	ft.

- 1) Purge Method
- 2) Sample Method
- 3) Purge Time
- 4) Was well purged DRY?
- 5) Does water supply have a treatment system?
- 6) What type of treatment system?
- 7) Was sample collected prior to treatment system?

		Outside spigot	
		Outside spigot	
		0:05	
YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
RO			
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>

- 1) Temperature
- 2) Specific Conductance
- 3) pH
- 4) Dissolved Oxygen
- 5) ORP
- 6) Physical Appearance and Odor
- 7) Comments

_____ °C
_____ μmhos/cm

Clear



Project Number: 042-07-064

Location: Franklinville, North Carolina
Source/Well: Brown (7)
Locked: Yes ☒ No ☐
PVC ☐ Steel ☒ Stainless Steel ☐
Measuring point description: NA

Purge Date: 7/18/2007
Purge Time: 16:35 to 16:40
Sample Date: 7/18/2007
Sample Time: 16:40
Sampled By: JWM/JCL

- 1) Depth to water from measuring point
- 2) Depth to well bottom from measuring point
- 3) Height of water column (h)
- 4) Diameter of well

NA	ft.
NA	ft.
NA	ft.
6	ft.

- 1) Purge Method
- 2) Sample Method
- 3) Purge Time
- 4) Was well purged DRY?
- 5) Does water supply have a treatment system?
- 6) What type of treatment system?
- 7) Was sample collected prior to treatment system?

		<u>Outside spigot</u>	
		<u>Outside spigot</u>	
		<u>0:05</u>	
YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
		<u>RO</u>	
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>

- 1) Temperature
- 2) Specific Conductance
- 3) pH
- 4) Dissolved Oxygen
- 5) ORP
- 6) Physical Appearance and Odor
- 7) Comments

_____ °C
_____ μmhos/cm



Project Number: 042-07-064

Location: Franklinville, North Carolina

Source/Well: Rhodes

Locked: Yes ☒ No ☐

PVC ☐ Steel ☒ Stainless Steel ☐

Measuring point description: NA

Purge Date:	<u>7/18/2007</u>
Purge Time:	<u>14:15</u> to <u>14:20</u>
Sample Date:	<u>7/18/2007</u>
Sample Time:	<u>14:20</u>
Sampled By:	<u>JWM/JCL</u>

- 1) Depth to water from measuring point
- 2) Depth to well bottom from measuring point
- 3) Height of water column (h)
- 4) Diameter of well

NA	ft.
NA	ft.
NA	ft.
6	ft.

- 1) Purge Method
- 2) Sample Method
- 3) Purge Time
- 4) Was well purged DRY?
- 5) Does water supply have a treatment system?
- 6) What type of treatment system?
- 7) Was sample collected prior to treatment system?

<u>Outside spigot</u>			
<u>Outside spigot</u>			
<u>0:05</u>			
YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
<u>RO</u>			
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>

1) Temperature	_____ °C
2) Specific Conductance	_____ μmhos/cm
3) pH	_____
4) Dissolved Oxygen	_____
5) ORP	_____
6) Physical Appearance and Odor	_____ Clear
7) Comments	_____

APPENDIX C



Ms. Erin Greene
Trigon Engineering
PO Box 18846
Greensboro NC 27419

Report Number: G118-489

Client Project: Hancock Hams

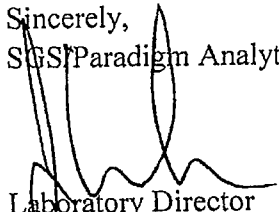
Dear Ms. Greene:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS/Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS/Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS/Paradigm Analytical Laboratories, Inc.


Laboratory Director
J. Patrick Weaver

8/6/2007
Date



List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.



Results for Volatiles

by GC 602

Client Sample ID: MW-1S

Client Project ID: Hancock Hams

Lab Sample ID: G118-489-1A

Lab Project ID: G118-489

Analyzed By: RSB

Date Collected: 7/18/2007 0:00

Date Received: 7/20/2007

Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/24/2007
Diisopropyl ether (DIPE)	BQL	1.00	1	7/24/2007
Ethylbenzene	BQL	1.00	1	7/24/2007
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/24/2007
Toluene	BQL	1.00	1	7/24/2007
m/p-Xylene	BQL	2.00	1	7/24/2007
o-Xylene	BQL	2.00	1	7/24/2007

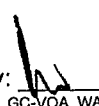
Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.3	103

Comments:

All values corrected for dilution.

BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WA



Results for Volatiles
by GC 602

Client Sample ID: MW-1D
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-2A
Lab Project ID: G118-489

Analyzed By: RSB
Date Collected: 7/18/2007 14:30
Date Received: 7/20/2007
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/24/2007
Diisopropyl ether (DIPE)	BQL	1.00	1	7/24/2007
Ethylbenzene	BQL	1.00	1	7/24/2007
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/24/2007
Toluene	BQL	1.00	1	7/24/2007
m/p-Xylene	BQL	2.00	1	7/24/2007
o-Xylene	BQL	2.00	1	7/24/2007

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.8	105

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.



Results for Volatiles
by GC 602

Client Sample ID: RW-1
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-3A
Lab Project ID: G118-489

Analyzed By: RSB
Date Collected: 7/18/2007 14:45
Date Received: 7/20/2007
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/24/2007
Diisopropyl ether (DIPE)	BQL	1.00	1	7/24/2007
Ethylbenzene	BQL	1.00	1	7/24/2007
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/24/2007
Toluene	BQL	1.00	1	7/24/2007
m/p-Xylene	BQL	2.00	1	7/24/2007
o-Xylene	BQL	2.00	1	7/24/2007

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.9	105

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WVA



Results for Volatiles
by GC 602

Client Sample ID: RW-2
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-4A
Lab Project ID: G118-489

Analyzed By: RSB
Date Collected: 7/18/2007 14:40
Date Received: 7/20/2007
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/24/2007
Diisopropyl ether (DIPE)	BQL	1.00	1	7/24/2007
Ethylbenzene	BQL	1.00	1	7/24/2007
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/24/2007
Toluene	BQL	1.00	1	7/24/2007
m/p-Xylene	BQL	2.00	1	7/24/2007
o-Xylene	BQL	2.00	1	7/24/2007

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.9	105

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WA



Results for Volatiles
by GC 602

Client Sample ID: RW-3
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-5A
Lab Project ID: G118-489

Analyzed By: RSB
Date Collected: 7/18/2007 14:35
Date Received: 7/20/2007
Matrix: Water

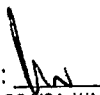
Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	39.7	4.00	4	7/24/2007
Diisopropyl ether (DIPE)	4.05	4.00	4	7/24/2007
Ethylbenzene	20.1	4.00	4	7/24/2007
Methyl-tert butyl ether (MTBE)	BQL	8.00	4	7/24/2007
Toluene	69.8	4.00	4	7/24/2007
m/p-Xylene	66.6	8.00	4	7/24/2007
o-Xylene	18.0	8.00	4	7/24/2007

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	43.8	110

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: 

GC-VOA-WA



Results for Volatiles
by GC 602

Client Sample ID: RW-4
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-6A
Lab Project ID: G118-489

Analyzed By: RSB
Date Collected: 7/18/2007 14:55
Date Received: 7/20/2007
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/24/2007
Diisopropyl ether (DIPE)	1.04	1.00	1	7/24/2007
Ethylbenzene	BQL	1.00	1	7/24/2007
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/24/2007
Toluene	BQL	1.00	1	7/24/2007
m/p-Xylene	BQL	2.00	1	7/24/2007
o-Xylene	BQL	2.00	1	7/24/2007

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.7	104

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WA



Results for Volatiles
by GC 602

Client Sample ID: RW-5
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-7A
Lab Project ID: G118-489

Analyzed By: RSB
Date Collected: 7/18/2007 15:00
Date Received: 7/20/2007
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/24/2007
Diisopropyl ether (DIPE)	BQL	1.00	1	7/24/2007
Ethylbenzene	BQL	1.00	1	7/24/2007
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/24/2007
Toluene	BQL	1.00	1	7/24/2007
m/p-Xylene	BQL	2.00	1	7/24/2007
o-Xylene	BQL	2.00	1	7/24/2007

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.7	104

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WA



Results for Volatiles
by GC 602

Client Sample ID: RW-6(PLW)
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-8A
Lab Project ID: G118-489


Analyzed By: RSB
Date Collected: 7/18/2007 14:15
Date Received: 7/20/2007
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	25.8	5.00	5	7/24/2007
Diisopropyl ether (DIPE)	BQL	5.00	5	7/24/2007
Ethylbenzene	16.0	5.00	5	7/24/2007
Methyl-tert butyl ether (MTBE)	BQL	10.0	5	7/24/2007
Toluene	118	5.00	5	7/24/2007
m/p-Xylene	77.6	10.0	5	7/24/2007
o-Xylene	69.4	10.0	5	7/24/2007

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.8	107

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WA



Results for Volatiles
by GC 602

Client Sample ID: RW-7
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-9A
Lab Project ID: G118-489

Analyzed By: RSB
Date Collected: 7/18/2007 14:20
Date Received: 7/20/2007
Matrix: Water

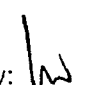
Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	205	20.0	20	7/24/2007
Diisopropyl ether (DIPE)	116	20.0	20	7/24/2007
Ethylbenzene	193	20.0	20	7/24/2007
Methyl-tert butyl ether (MTBE)	BQL	40.0	20	7/24/2007
Toluene	444	20.0	20	7/24/2007
m/p-Xylene	471	40.0	20	7/24/2007
o-Xylene	588	40.0	20	7/24/2007

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.3	106

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WA



Results for Volatiles
by GC 602

Client Sample ID: ERW
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-10A
Lab Project ID: G118-489

Analyzed By: RSB
Date Collected: 7/18/2007 14:25
Date Received: 7/20/2007
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/24/2007
Diisopropyl ether (DIPE)	BQL	1.00	1	7/24/2007
Ethylbenzene	BQL	1.00	1	7/24/2007
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/24/2007
Toluene	BQL	1.00	1	7/24/2007
m/p-Xylene	BQL	2.00	1	7/24/2007
o-Xylene	BQL	2.00	1	7/24/2007

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.8	105

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WA



Results for Volatiles
by GC 602

Client Sample ID: NORMAN
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-11B
Lab Project ID: G118-489

Analyzed By: RSB
Date Collected: 7/18/2007 16:00
Date Received: 7/20/2007
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2007
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2007
Ethylbenzene	BQL	1.00	1	7/26/2007
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2007
Toluene	BQL	1.00	1	7/26/2007
m/p-Xylene	BQL	2.00	1	7/26/2007
o-Xylene	BQL	2.00	1	7/26/2007

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.4	98.6

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.



Results for Volatiles
by GC 602

Client Sample ID: BEAL
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-12B
Lab Project ID: G118-489

Analyzed By: RSB
Date Collected: 7/18/2007 16:10
Date Received: 7/20/2007
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2007
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2007
Ethylbenzene	BQL	1.00	1	7/26/2007
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2007
Toluene	BQL	1.00	1	7/26/2007
m/p-Xylene	BQL	2.00	1	7/26/2007
o-Xylene	BQL	2.00	1	7/26/2007

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.1	100

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: 

GC-VOA-WA



Results for Volatiles
by GC 602

Client Sample ID: GIBSON
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-13B
Lab Project ID: G118-489


Analyzed By: RSB
Date Collected: 7/18/2007 16:20
Date Received: 7/20/2007
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2007
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2007
Ethylbenzene	BQL	1.00	1	7/26/2007
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2007
Toluene	BQL	1.00	1	7/26/2007
m/p-Xylene	BQL	2.00	1	7/26/2007
o-Xylene	BQL	2.00	1	7/26/2007

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.7	99.2

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: 

GC-VOA_WA



Results for Volatiles
by GC 602

Client Sample ID: PRESRELL
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-14B
Lab Project ID: G118-489


Analyzed By: RSB
Date Collected: 7/18/2007 16:30
Date Received: 7/20/2007
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2007
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2007
Ethylbenzene	BQL	1.00	1	7/26/2007
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2007
Toluene	BQL	1.00	1	7/26/2007
m/p-Xylene	BQL	2.00	1	7/26/2007
o-Xylene	BQL	2.00	1	7/26/2007

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.6

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: 
GC-VOA_WA



Results for Volatiles
by GC 602

Client Sample ID: JESTER
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-15B
Lab Project ID: G118-489

Analyzed By: RSB
Date Collected: 7/18/2007 16:35
Date Received: 7/20/2007
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2007
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2007
Ethylbenzene	BQL	1.00	1	7/26/2007
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2007
Toluene	BQL	1.00	1	7/26/2007
m/p-Xylene	BQL	2.00	1	7/26/2007
o-Xylene	BQL	2.00	1	7/26/2007

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.6	99.1

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: 

GC-VOA-WA



Results for Volatiles
by GC 602

Client Sample ID: BROWN
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-16B
Lab Project ID: G118-489

Analyzed By: RSB
Date Collected: 7/18/2007 16:40
Date Received: 7/20/2007
Matrix: Water


Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2007
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2007
Ethylbenzene	BQL	1.00	1	7/26/2007
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2007
Toluene	BQL	1.00	1	7/26/2007
m/p-Xylene	BQL	2.00	1	7/26/2007
o-Xylene	BQL	2.00	1	7/26/2007

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.7	99.2

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: 
GC-VOA_WA



Results for Volatiles
by GC 602

Client Sample ID: HANCOCK
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-17B
Lab Project ID: G118-489

Analyzed By: RSB
Date Collected: 7/18/2007 16:50
Date Received: 7/20/2007
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2007
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2007
Ethylbenzene	BQL	1.00	1	7/26/2007
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2007
Toluene	BQL	1.00	1	7/26/2007
m/p-Xylene	BQL	2.00	1	7/26/2007
o-Xylene	BQL	2.00	1	7/26/2007

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.9	99.8

Comments:

All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: 

GC/MS_WA



Analytical Results

Client Sample ID: MW-1S
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-1
Lab Project ID: G118-489


Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	1362	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Samples reported on dry weight basis.

Reviewed By: 

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Analytical Results


Client Sample ID: MW-1D
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-2
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	1329	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: 

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Analytical Results

Client Sample ID: RW-1
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-3
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	704	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: 

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Analytical Results


Client Sample ID: RW-2
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-4
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	440	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

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Analytical Results


Client Sample ID: RW-3
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-5
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	3767	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

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Analytical Results


Client Sample ID: RW-4
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-6
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	205	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

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Analytical Results

Client Sample ID: RW-5
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-7
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	298	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

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Analytical Results


Client Sample ID: RW-6(PLW)
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-8
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	161	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: 

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Analytical Results


Client Sample ID: RW-7
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-9
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	220	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: 

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Analytical Results

Client Sample ID: ERW
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-10
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water


Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	110	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits

DF = Dilution Factor

RL = Report Limit

Reviewed By: 

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Analytical Results

Client Sample ID: NORMAN
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-11
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	15	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: 

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Analytical Results

Client Sample ID: BEAL
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-12
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	127	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits

DF = Dilution Factor

RL = Report Limit

Reviewed By: 

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Analytical Results

Client Sample ID: GIBSON
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-13
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water


Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	193	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits

DF = Dilution Factor

RL = Report Limit

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Analytical Results

Client Sample ID: PRESRELL
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-14
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	88	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

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Analytical Results

Client Sample ID: JESTER
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-15
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	51	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

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Analytical Results

Client Sample ID: BROWN
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-16
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	224	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

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Analytical Results

Client Sample ID: HANCOCK
Client Project ID: Hancock Hams
Lab Sample ID: G118-489-17
Lab Project ID: G118-489

Date Collected: 7/18/2007
Date Received: 7/20/2007
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Chloride	1265	0.1	mg/L	SM 4500Cl-B	7/26/2007	Envirochem

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: 

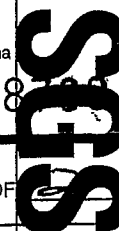
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1 CLIENT: <i>Trigon Engineering</i>					SGS Reference: <i>G118-489</i>					PAGE <i>1</i> OF <i>1</i>				
CONTACT: <i>Erin Greene</i> PHONE NO: <i>(336) 668-0093</i>					CONTAINERS					Preservatives Used <i>HCl</i> <i>602 Chloride</i>				
PROJECT: <i>Hancock Hams</i> SITE/PWSID# :														
REPORTS TO: <i>Erin Greene</i> E-MAIL: <i>egreene@trigoneng.com</i>														
INVOICE TO: <i>Erin Greene</i> QUOTE # : P.O. NUMBER :														
2														
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX										REMARKS
	MW-15	7/18		W	4	G	-	-						
	MW-10	7/18	14:30	W	4	G	-	-						
	RW-1	7/18	14:45	W	4	G	-	-						
	RW-2	7/18	14:40	W	4	G	-	-						
	RW-3	7/18	14:35	W	4	G	-	-						
	RW-4	7/18	14:55	W	4	G	-	-						
	RW-5	7/18	15:00	W	4	G	-	-						
	RW-6 (PLW)	7/18	14:15	W	4	G	-	-						
	RW-7	7/18	14:20	W	4	G	-	-						
	ERW	7/18	14:25	W	4	G	-	-						
5					4									
Collected/Relinquished By: (1) <i>Jon M...</i>		Date: <i>7/18</i>	Time: <i>11:30</i>	Received By: <i>Daniel...</i>		Date: <i>7/19</i>	Time: <i>11:30</i>	Shipping Carrier:		Samples Received Cold? (Circle) YES NO				
Relinquished By: (2)		Date:	Time:	Received By: <i>[Signature]</i>		Date: <i>7/24/08</i>	Time: <i>0800</i>	Shipping Ticket No:		Temperature (C): <i>4.0</i>				
Relinquished By: (3)		Date:	Time:	Received By:		Date:	Time:	Special Deliverable Requirements:		Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT				
Relinquished By: (4)		Date:	Time:	Received By:		Date:	Time:	Special Instructions: <i>Standard TAT</i>						
		Date:	Time:	Received By:		Date:	Time:	Requested Turnaround Time: <input type="checkbox"/> RUSH <input type="checkbox"/> STD		Date Needed				

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07

1 CLIENT: <u>Trigon Engineering</u> CONTACT: <u>Erin Greene</u> PHONE NO.: <u>(336) 668-0093</u> PROJECT: <u>Hancock Hams</u> SITE/PWSID #: _____ REPORTS TO: _____ E-MAIL: <u>egreene@trigongeng.com</u> <u>Erin Greene</u> FAX NO.: () _____ INVOICE TO: _____ QUOTE # _____ <u>Erin Greene</u> P.O. NUMBER _____						SGS Reference: _____ PAGE <u>2</u> OF <u>2</u>															
						2															
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE	Preservatives Used	Analysis Required	C=COMP	G=GRAB											REMARKS
	Norman	7/18	16:00	W	4	G	-	-	-	-											
	Beal	7/18	16:10	W	4	G	-	-	-	-											
	Gibson	7/18	16:20	W	4	G	-	-	-	-											
	Presnell	7/18	16:30	W	4	G	-	-	-	-											
	Jester	7/18	16:35	W	4	G	-	-	-	-											
	Brown	7/18	16:40	W	4	G	-	-	-	-											
	Hancock	7/18	16:50	W	4	G	-	-	-	-											
						4															
Collected/Relinquished By: (1)		Date	Time	Received By:		Date	Time	Shipping Carrier:		Samples Received Cold? (Circle) YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>											
<u>[Signature]</u>		7/18	11:30	<u>[Signature]</u>		7/19	11:30			Temperature J/C: <u>4.0</u>											
Relinquished By: (2)		Date	Time	Received By:		Date	Time	Shipping Ticket No:		Special Deliverable Requirements:											
<u>[Signature]</u>		7/19	21:00pm	<u>[Signature]</u>						Chain of Custody Seal: (Circle) INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT <input type="checkbox"/>											
Relinquished By: (3)		Date	Time	Received By:		Date	Time	Special Instructions:													
Relinquished By: (4)		Date	Time	Received By:		Date	Time	Requested Turnaround Time:													
								<input type="checkbox"/> RUSH <input type="checkbox"/> STD Date Needed _____													

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- STREAM AND WETLAND DELINEATION/PERMITTING
- WATER RESOURCE ENGINEERING
- WATER AND WASTEWATER ENGINEERING
- STORMWATER MANAGEMENT/PERMITTING/SPCC
- TANK INTEGRITY TESTING
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Wilmington

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